

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121924\  
 Data File : VU062488.D  
 Acq On : 19 Dec 2024 20:27  
 Operator : MD/SY  
 Sample : P5305-10MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MSD

Quant Time: Dec 20 00:42:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 20 00:36:00 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 6.238  | 114  | 104693   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.409  | 117  | 97951    | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.801 | 152  | 51930    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds   |        |       |          |          |      |         |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 26490    | 3.751    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 75.000% |
| 7) Chloroethane-d5            | 1.907  | 69    | 20814    | 4.144    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 82.800% |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 13559    | 4.036    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 80.800% |
| 20) 2-Butanone-d5             | 4.621  | 46    | 54400    | 40.197   | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 80.400% |
| 24) Chloroform-d              | 5.052  | 84    | 67444    | 4.413    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 88.200% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 36287    | 4.828    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 96.600% |
| 32) Benzene-d6                | 5.718  | 84    | 116805   | 4.140    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 82.800% |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 32579    | 4.036    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 80.800% |
| 41) Toluene-d8                | 7.888  | 98    | 115210   | 4.323    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 86.400% |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 15215    | 4.282    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 85.600% |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 41490    | 38.707   | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 77.420% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 26565    | 4.229    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 84.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 43189    | 4.513    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 90.200% |

|                               |       |     |       |        |        |     |
|-------------------------------|-------|-----|-------|--------|--------|-----|
| Target Compounds              |       |     |       | Qvalue |        |     |
| 2) Dichlorodifluoromethane    | 1.380 | 85  | 38630 | 3.939  | ug/L   | 100 |
| 3) Chloromethane              | 1.515 | 50  | 26282 | 3.419  | ug/L   | 96  |
| 5) Vinyl chloride             | 1.599 | 62  | 30803 | 3.849  | ug/L   | 100 |
| 6) Bromomethane               | 1.853 | 94  | 22066 | 4.136  | ug/L   | 100 |
| 8) Chloroethane               | 1.927 | 64  | 17575 | 3.921  | ug/L   | 99  |
| 9) Trichlorofluoromethane     | 2.132 | 101 | 64083 | 4.613  | ug/L   | 98  |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 30451 | 4.027  | ug/L   | 91  |
| 12) 1,1-Dichloroethene        | 2.573 | 96  | 28314 | 4.006  | ug/L   | 86  |
| 13) Acetone                   | 2.637 | 43  | 43252 | 46.938 | ug/L   | 99  |
| 14) Carbon disulfide          | 2.785 | 76  | 80240 | 3.590  | ug/L   | 100 |
| 15) Methyl Acetate            | 2.952 | 43  | 7985  | 3.458  | ug/L # | 80  |
| 16) Methylene chloride        | 3.036 | 84  | 31075 | 4.188  | ug/L   | 88  |
| 17) Methyl tert-butyl Ether   | 3.354 | 73  | 76942 | 4.369  | ug/L   | 98  |
| 18) trans-1,2-Dichloroethene  | 3.345 | 96  | 29488 | 4.060  | ug/L   | 91  |
| 19) 1,1-Dichloroethane        | 3.859 | 63  | 54752 | 4.113  | ug/L   | 97  |
| 21) 2-Butanone                | 4.698 | 43  | 58761 | 43.911 | ug/L   | 93  |
| 22) cis-1,2-Dichloroethene    | 4.657 | 96  | 34145 | 4.194  | ug/L   | 93  |
| 23) Bromochloromethane        | 4.968 | 128 | 15872 | 4.448  | ug/L # | 81  |
| 25) Chloroform                | 5.074 | 83  | 66737 | 4.450  | ug/L   | 99  |

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 Sample : P5305-10MSD  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MSD

Quant Time: Dec 20 00:42:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 20 00:36:00 2024  
 Response via : Initial Calibration

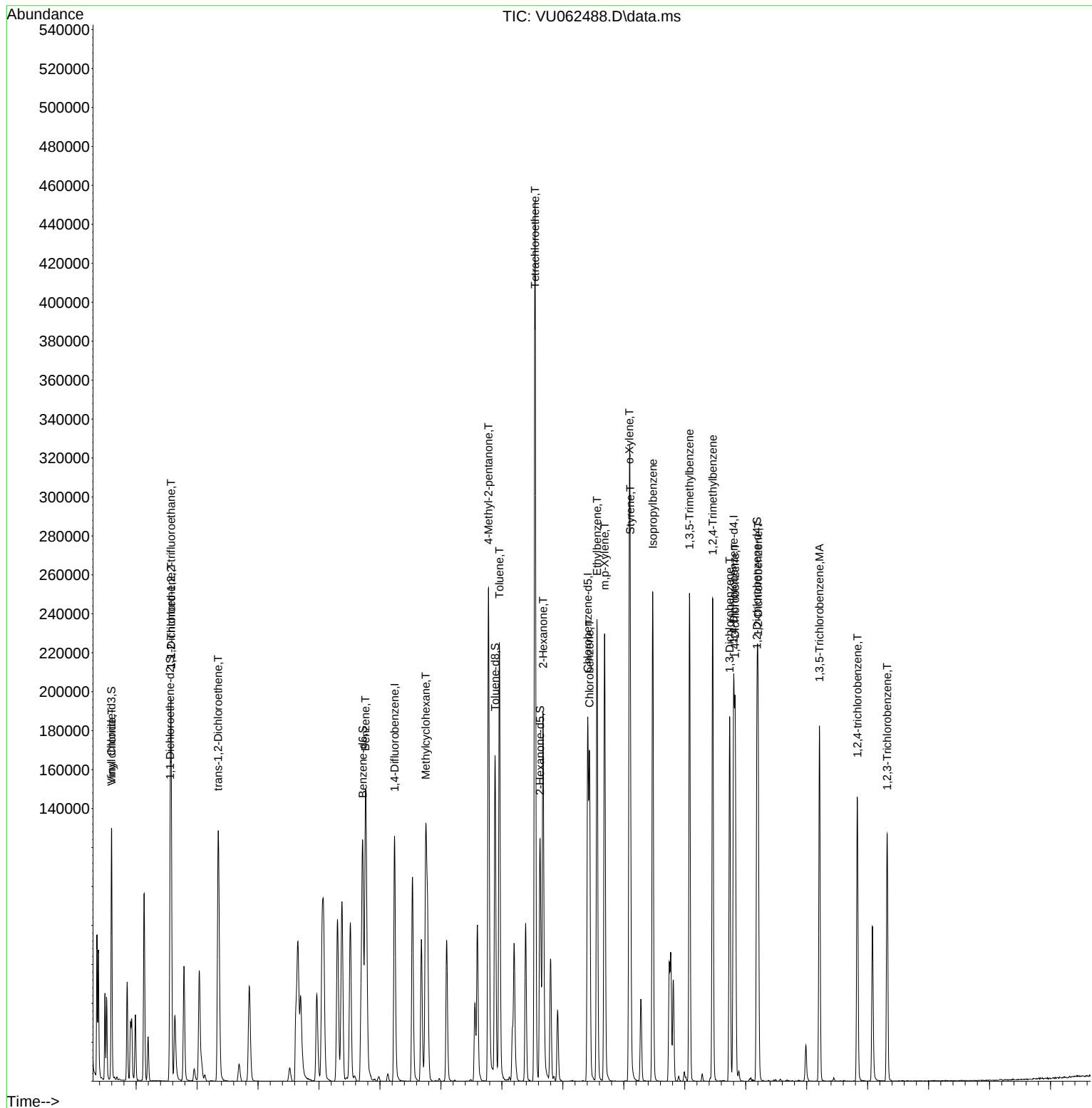
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 45355    | 4.760  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 64605    | 4.688  | ug/L   | 95       |
| 30) Cyclohexane               | 5.377  | 56   | 43939    | 3.932  | ug/L   | 89       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 59698    | 4.725  | ug/L   | 98       |
| 33) Benzene                   | 5.763  | 78   | 132934   | 4.379  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 37730    | 4.388  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.753  | 83   | 53467    | 4.194  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 29414    | 3.979  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.094  | 83   | 47898    | 4.593  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 46229    | 3.902  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 145754   | 42.071 | ug/L # | 90       |
| 42) Toluene                   | 7.959  | 91   | 168638   | 5.152  | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 43475    | 4.493  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 25325    | 4.538  | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.544  | 164  | 98516    | 14.839 | ug/L   | 94       |
| 48) 2-Hexanone                | 8.676  | 43   | 109882   | 42.917 | ug/L # | 93       |
| 49) Dibromochloromethane      | 8.798  | 129  | 32356    | 4.799  | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 24013    | 4.478  | ug/L # | 97       |
| 51) Chlorobenzene             | 9.438  | 112  | 90625    | 4.321  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.560  | 91   | 169239   | 4.612  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 65106    | 4.805  | ug/L   | 95       |
| 54) o-Xylene                  | 10.090 | 106  | 60721    | 4.608  | ug/L   | 99       |
| 55) Styrene                   | 10.106 | 104  | 97668    | 4.496  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 29053    | 4.473  | ug/L # | 98       |
| 59) Bromoform                 | 10.280 | 173  | 19168    | 4.697  | ug/L # | 93       |
| 60) Isopropylbenzene          | 10.476 | 105  | 164195   | 4.377  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 22005    | 4.582  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 138527   | 4.364  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 140305   | 4.511  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 75752    | 4.396  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 75150    | 4.331  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 71103    | 4.465  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 5321     | 5.080  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 56855    | 4.438  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 45828    | 4.531  | ug/L   | 99       |
| 71) Naphthalene               | 14.077 | 128  | 70266    | 4.627  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 39814    | 4.464  | ug/L   | 100      |

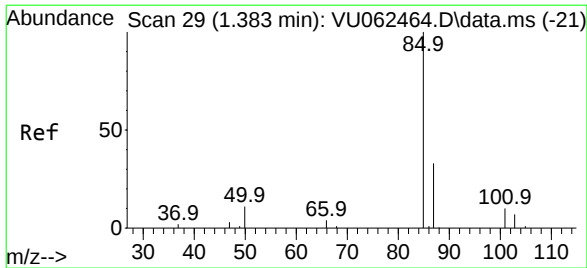
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 20 00:36:00 2024  
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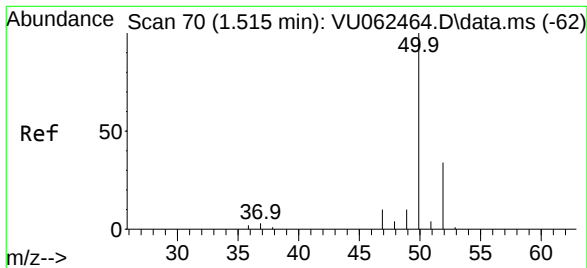
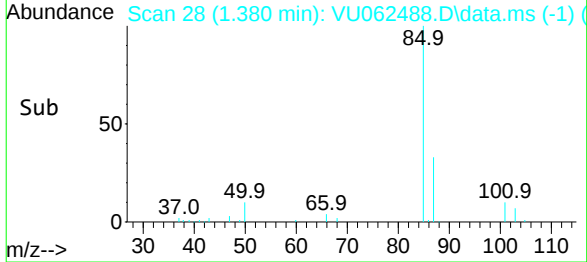
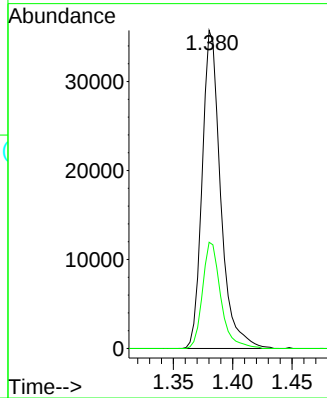
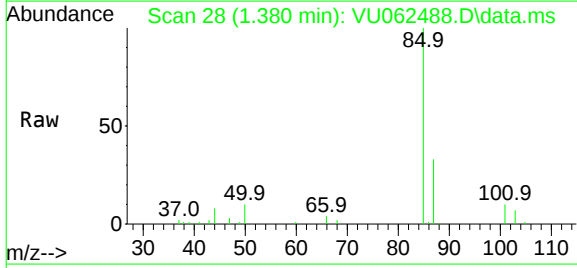




#2  
Dichlorodifluoromethane  
Concen: 3.939 ug/L  
RT: 1.380 min Scan# 28  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

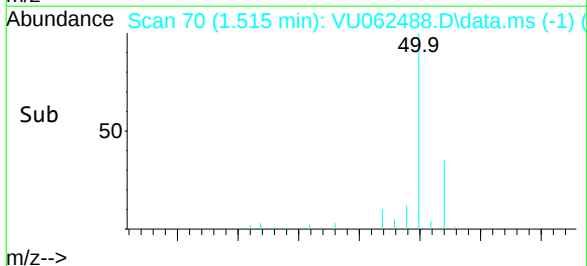
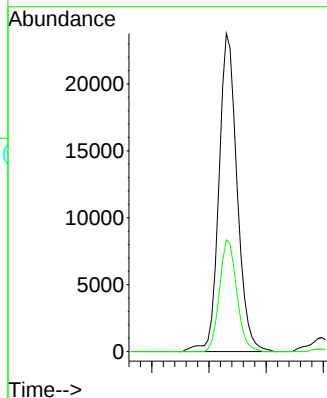
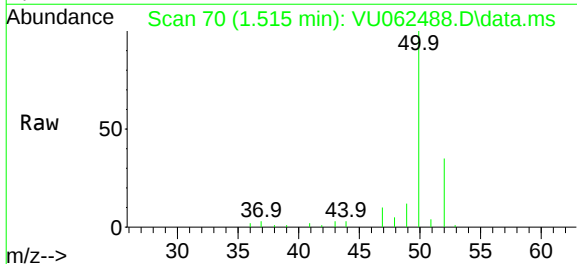
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

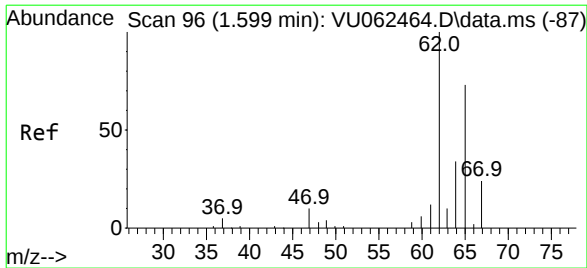
Tgt Ion: 85 Resp: 38630  
Ion Ratio Lower Upper  
85 100  
87 33.1 26.6 40.0



#3  
Chloromethane  
Concen: 3.419 ug/L  
RT: 1.515 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

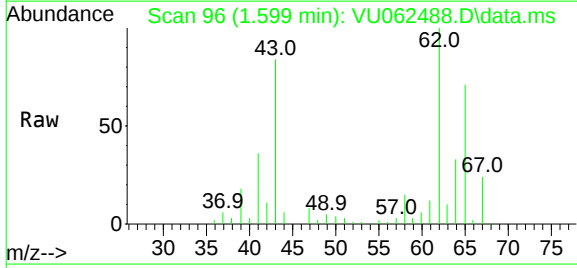
Tgt Ion: 50 Resp: 26282  
Ion Ratio Lower Upper  
50 100  
52 35.1 23.1 42.9



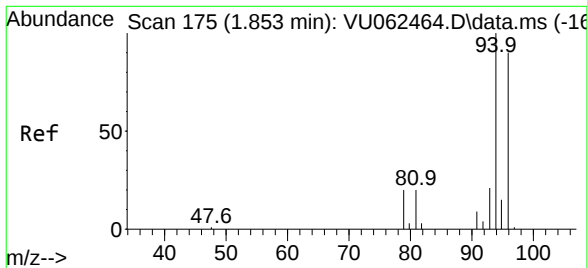
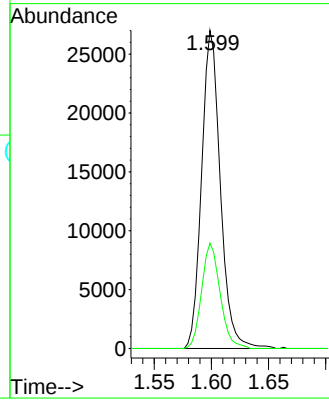
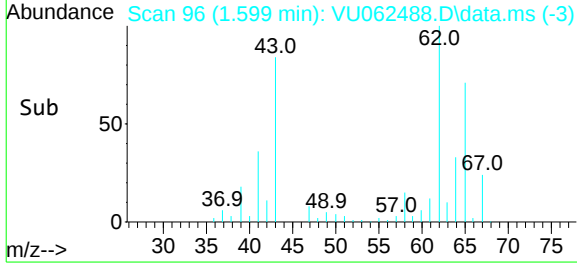


#5  
 Vinyl chloride  
 Concen: 3.849 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MSD

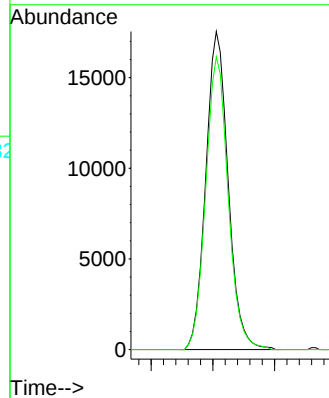
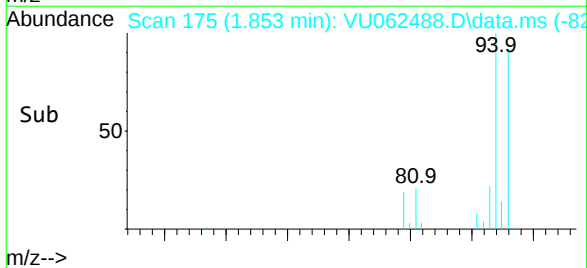
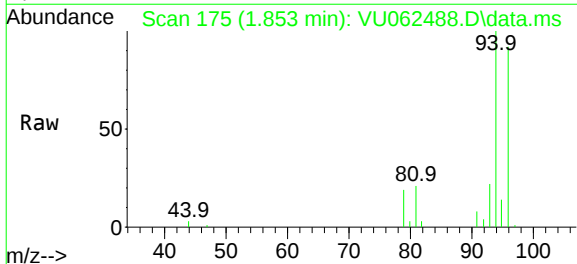


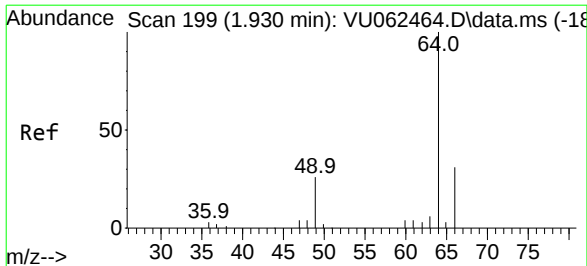
Tgt Ion: 62 Resp: 30803  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 23.1 42.9



#6  
 Bromomethane  
 Concen: 4.136 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. -0.000 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

Tgt Ion: 94 Resp: 22066  
 Ion Ratio Lower Upper  
 94 100  
 96 92.1 64.5 119.9

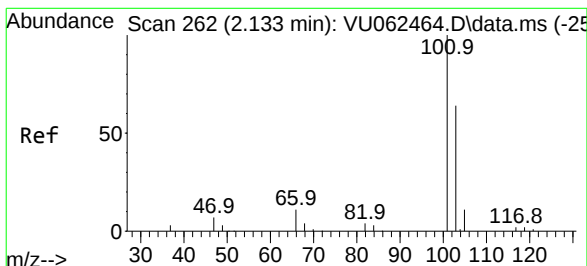
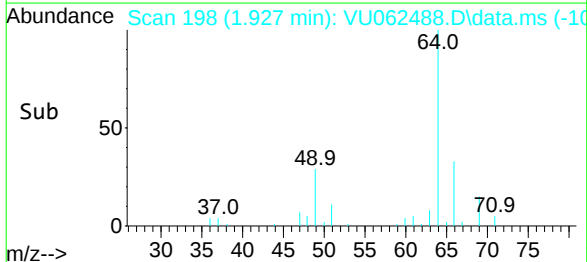
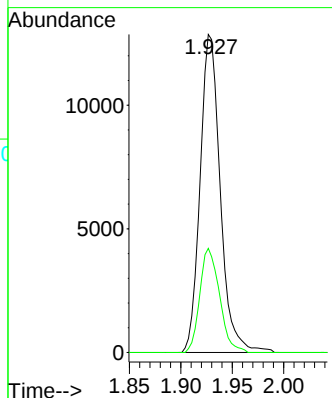
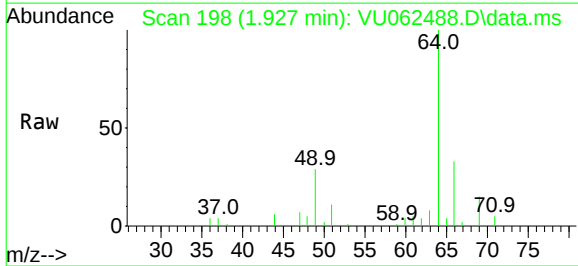




#8  
Chloroethane  
Concen: 3.921 ug/L  
RT: 1.927 min Scan# 19  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

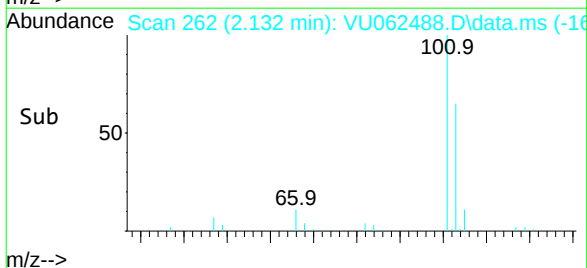
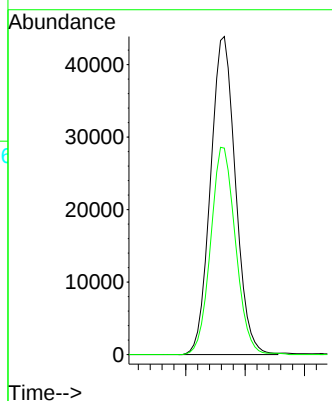
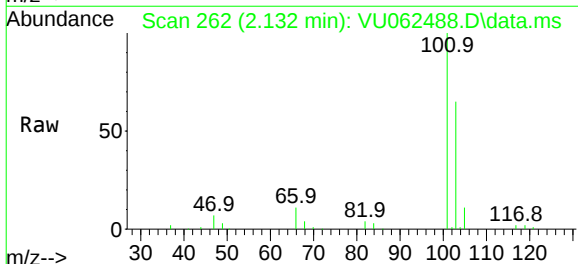
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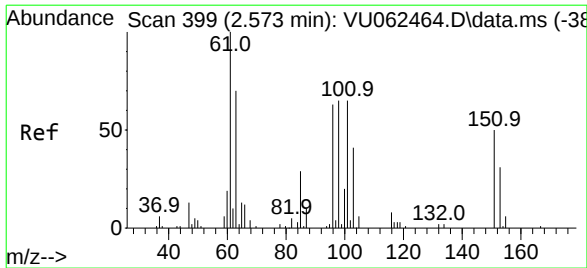
Tgt Ion: 64 Resp: 17575  
Ion Ratio Lower Upper  
64 100  
66 32.7 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 4.613 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Tgt Ion:101 Resp: 64083  
Ion Ratio Lower Upper  
101 100  
103 65.0 50.6 75.8

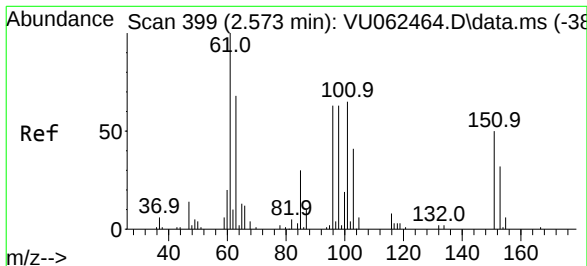
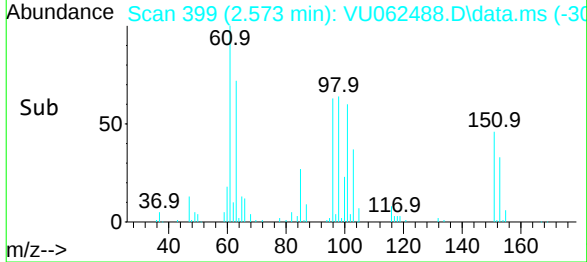
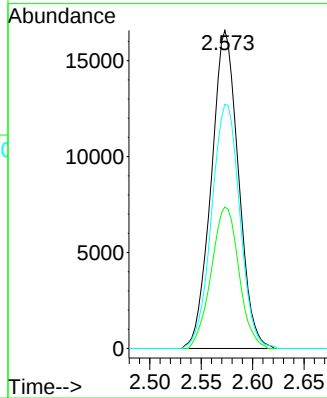
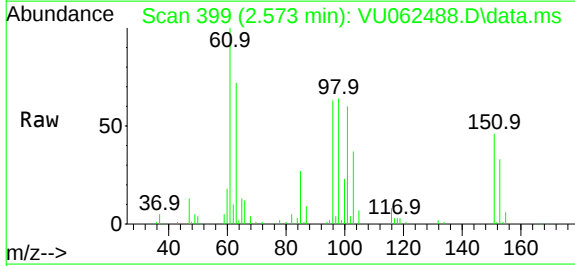




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.027 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

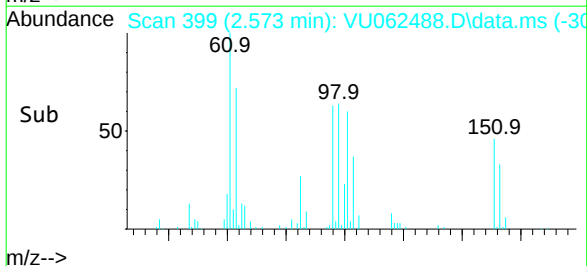
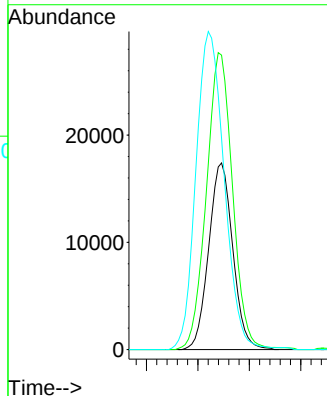
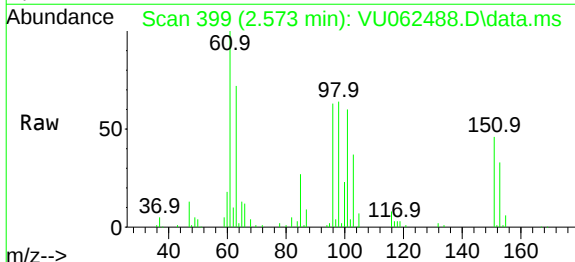
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

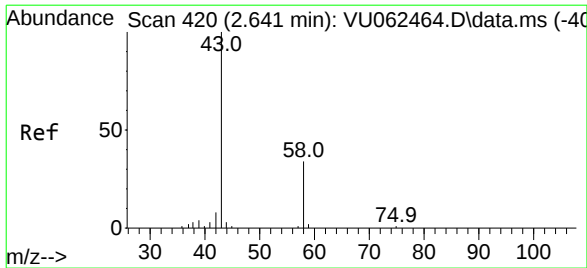
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 30451 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 45.3  | 38.0  | 57.0  |
| 151      | 79.8  | 55.3  | 82.9  |



#12  
1,1-Dichloroethene  
Concen: 4.006 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 28314 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 157.8 | 119.6 | 222.2 |
| 63       | 113.3 | 65.0  | 120.6 |





#13

Acetone

Concen: 46.938 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

Instrument :

MSVOA\_U

ClientSampleId :

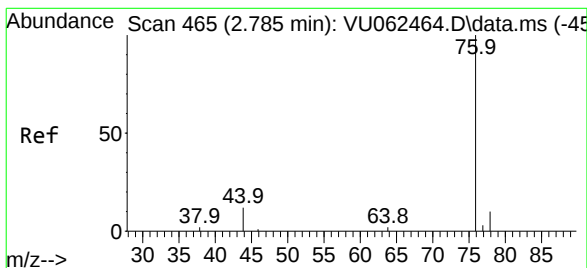
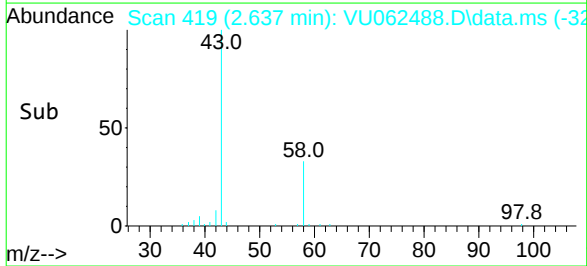
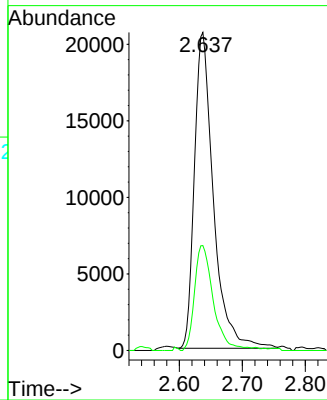
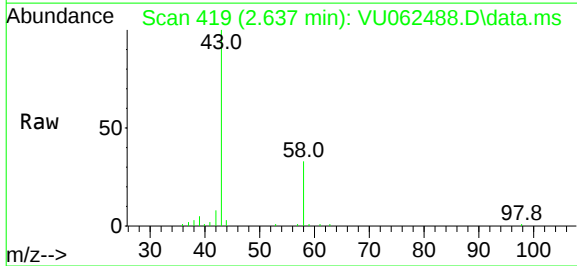
E2AX4MSD

Tgt Ion: 43 Resp: 43252

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.0



#14

Carbon disulfide

Concen: 3.590 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU062488.D

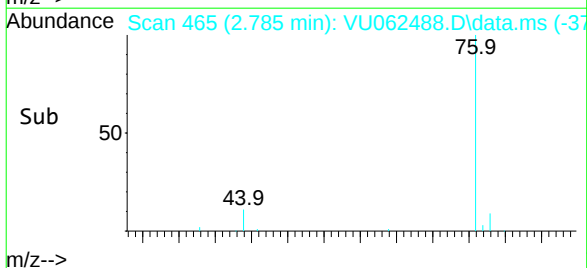
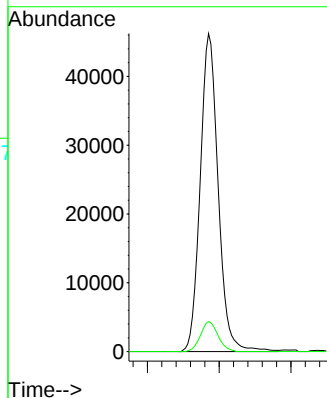
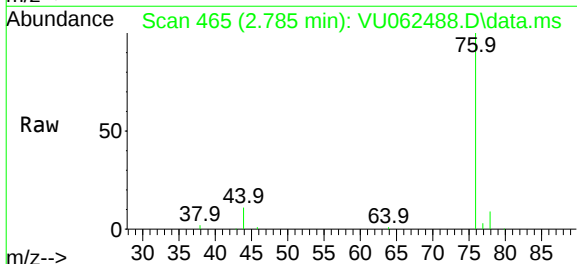
Acq: 19 Dec 2024 20:27

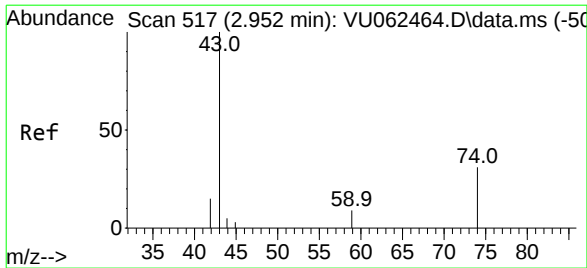
Tgt Ion: 76 Resp: 80240

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

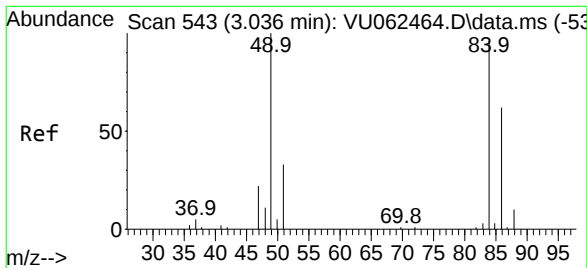
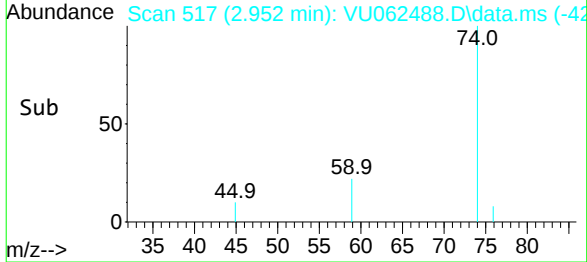
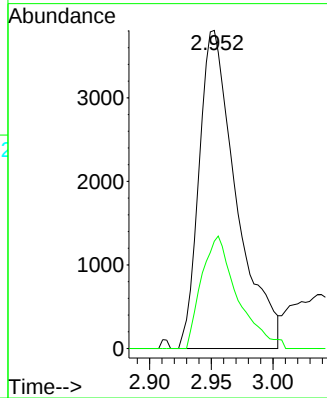
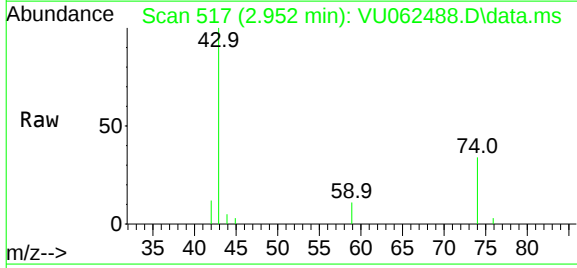




#15  
Methyl Acetate  
Concen: 3.458 ug/L  
RT: 2.952 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

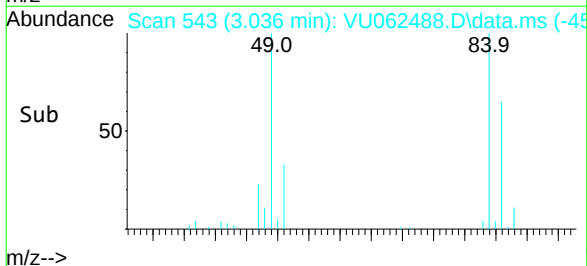
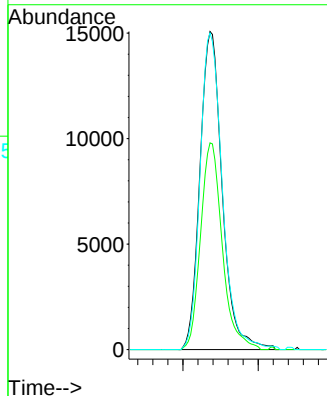
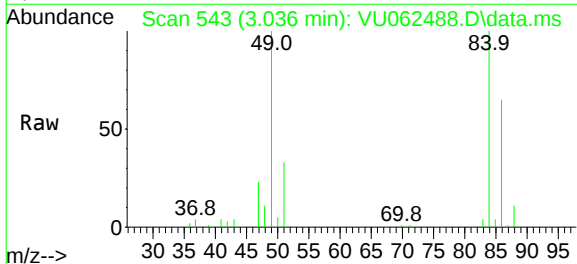
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

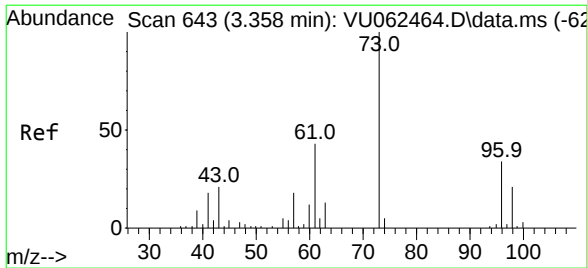
Tgt Ion: 43 Resp: 7985  
Ion Ratio Lower Upper  
43 100  
74 34.2 19.4 29.2#



#16  
Methylene chloride  
Concen: 4.188 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Tgt Ion: 84 Resp: 31075  
Ion Ratio Lower Upper  
84 100  
86 65.0 43.5 80.7  
49 99.5 81.9 152.1

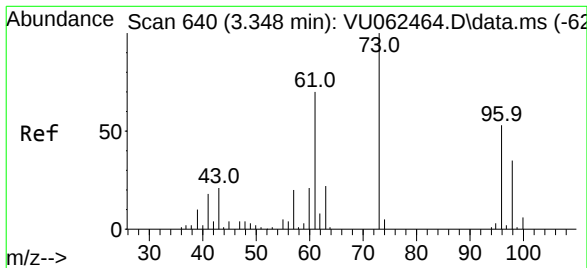
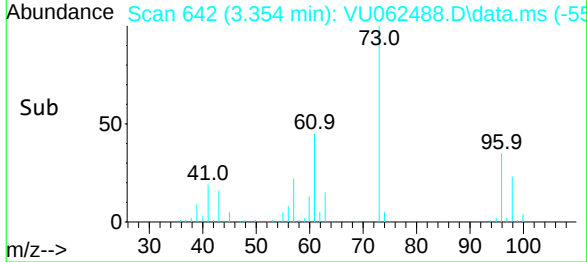
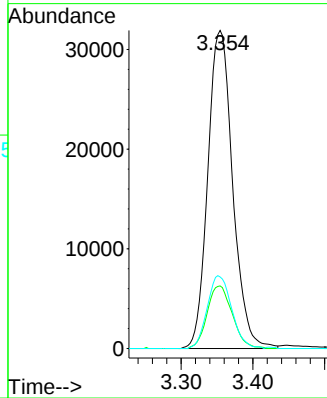
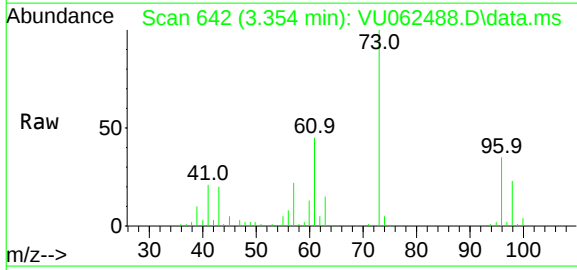




#17  
Methyl tert-butyl Ether  
Concen: 4.369 ug/L  
RT: 3.354 min Scan# 64  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

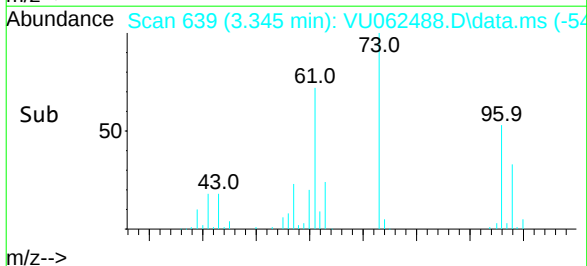
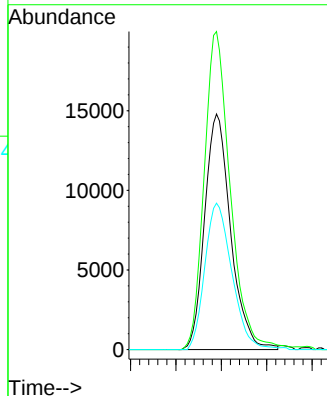
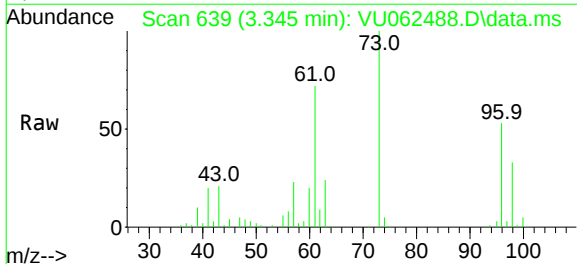
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

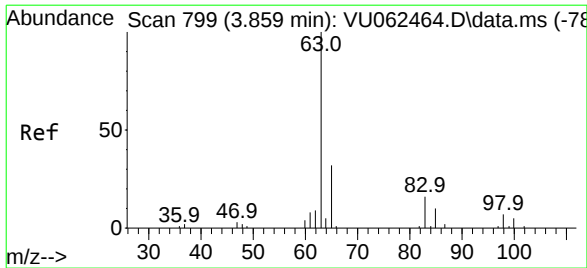
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 76942 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 19.8     | 16.3 24.5   |
| 57 22.4     | 17.1 25.7   |



#18  
trans-1,2-Dichloroethene  
Concen: 4.060 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 29488 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 135.0    | 104.2 193.4 |
| 98 62.1     | 45.7 84.9   |

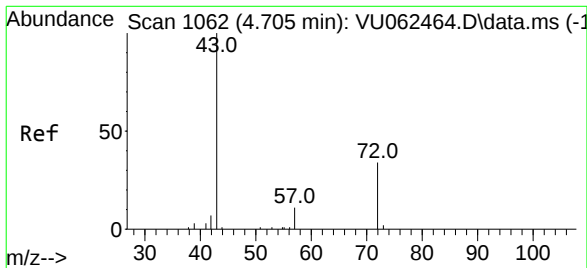
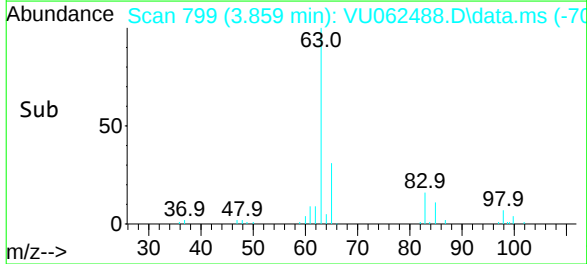
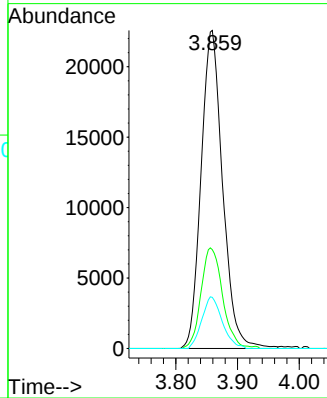
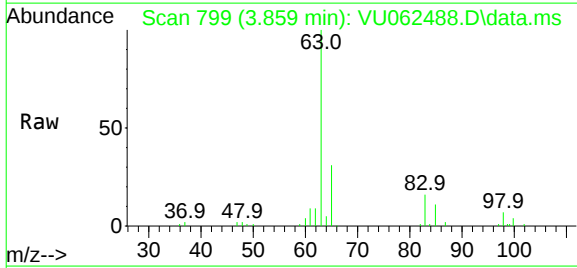




#19  
1,1-Dichloroethane  
Concen: 4.113 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

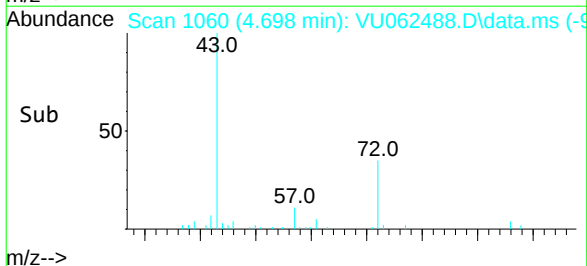
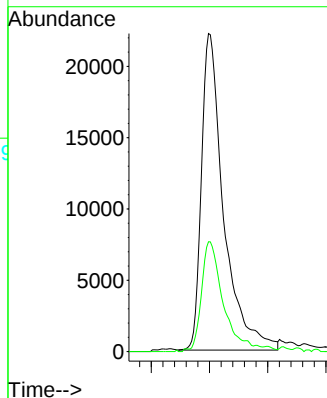
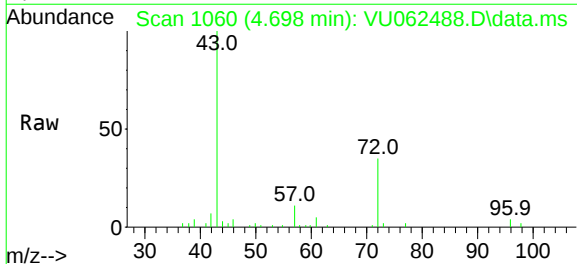
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

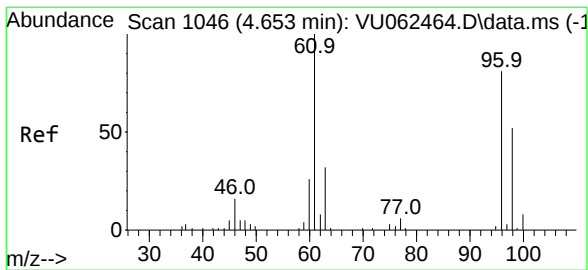
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 54752 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.1  | 22.7  | 42.3  |
| 83       | 16.1  | 9.9   | 18.3  |



#21  
2-Butanone  
Concen: 43.911 ug/L  
RT: 4.698 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 58761 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 33.5  | 14.8  | 44.4  |

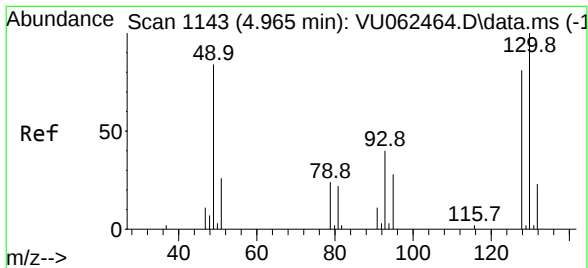
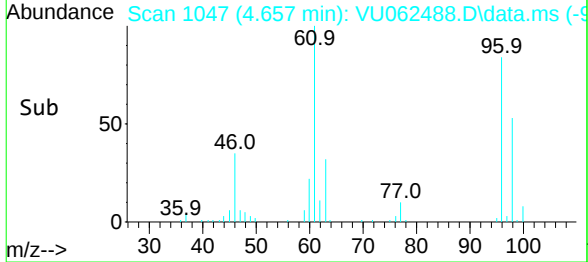
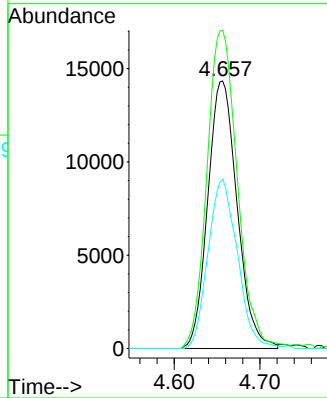
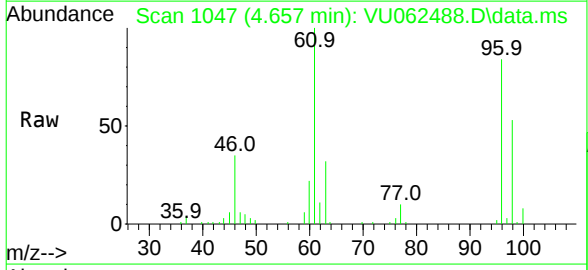




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.194 ug/L  
 RT: 4.657 min Scan# 1047  
 Delta R.T. 0.003 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

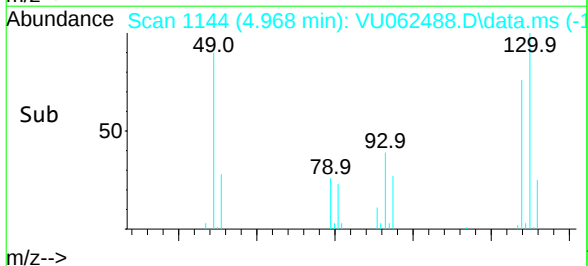
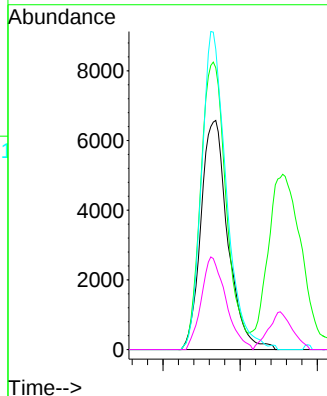
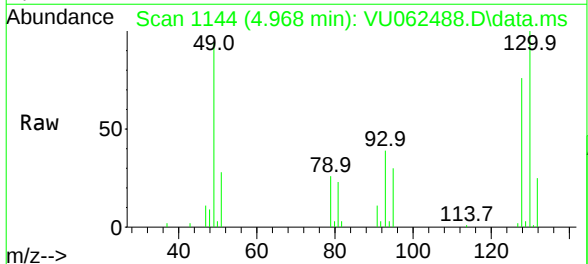
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MSD

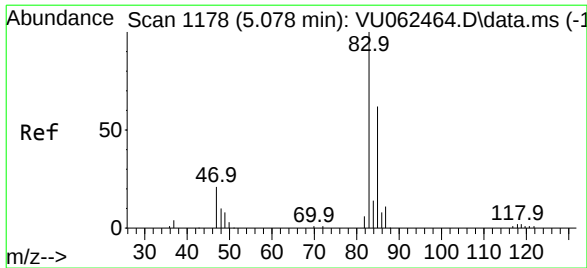
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 34145 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 118.9 | 92.0  | 170.8 |
| 98       | 63.3  | 44.5  | 82.7  |



#23  
 Bromochloromethane  
 Concen: 4.448 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. 0.003 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 15872 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 123.0 | 115.3 | 214.1 |
| 130      | 131.0 | 92.0  | 170.8 |
| 51       | 36.7  | 44.7  | 67.1  |

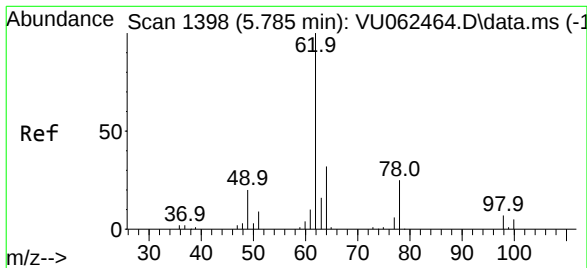
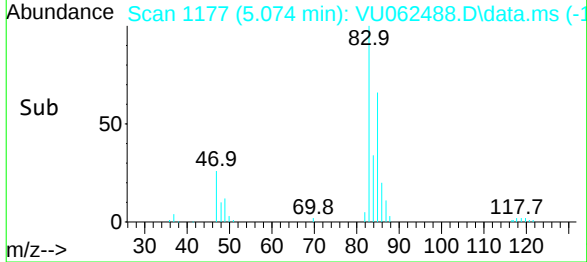
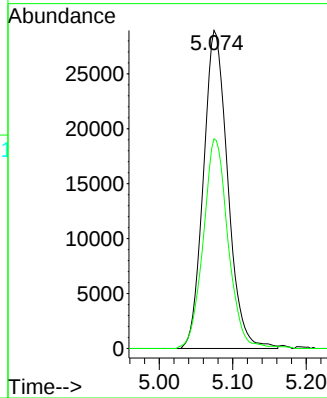
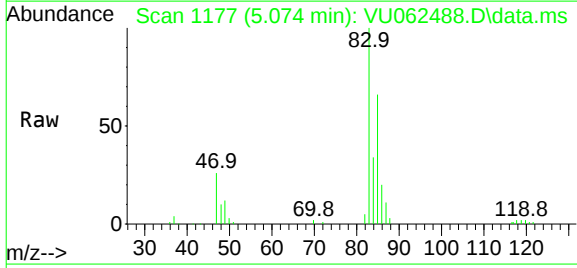




#25  
Chloroform  
Concen: 4.450 ug/L  
RT: 5.074 min Scan# 1178  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

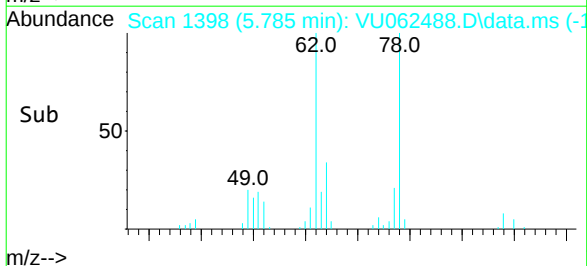
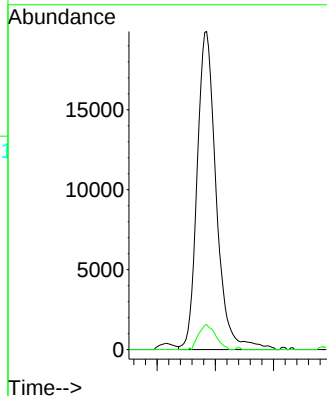
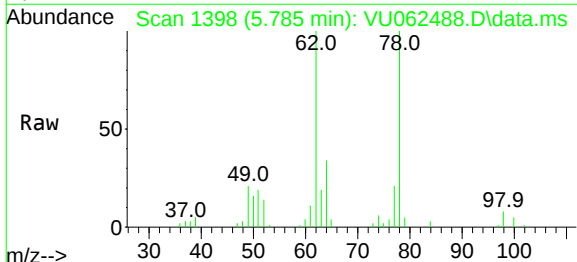
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

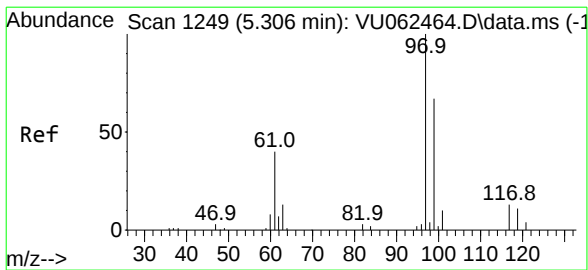
Tgt Ion: 83 Resp: 66737  
Ion Ratio Lower Upper  
83 100  
85 65.9 45.4 84.2



#27  
1,2-Dichloroethane  
Concen: 4.760 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Tgt Ion: 62 Resp: 45355  
Ion Ratio Lower Upper  
62 100  
98 7.8 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 4.688 ug/L

RT: 5.303 min Scan# 1249

Delta R.T. -0.003 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MSD

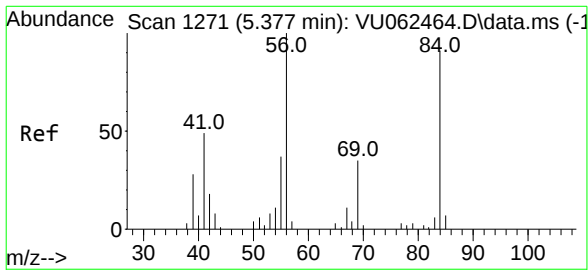
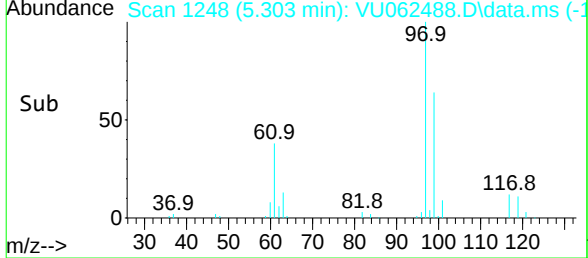
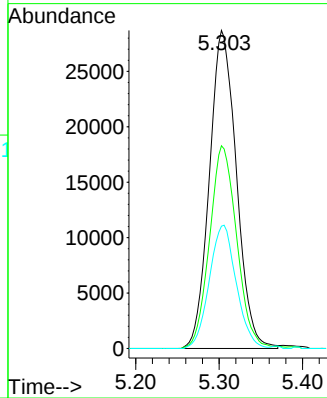
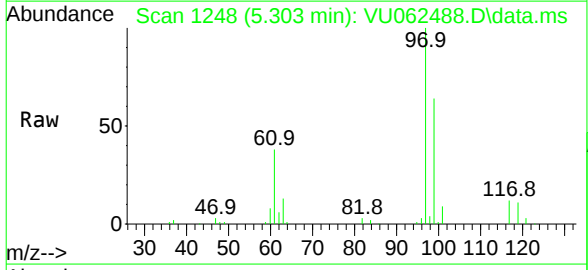
Tgt Ion: 97 Resp: 64605

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 38.7 37.8 56.6



#30

Cyclohexane

Concen: 3.932 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

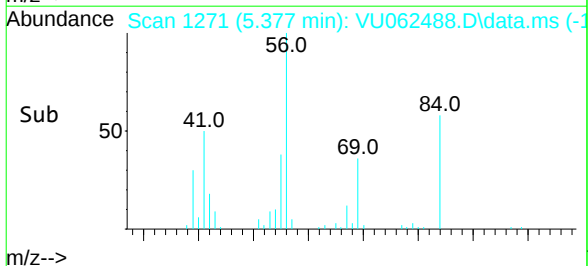
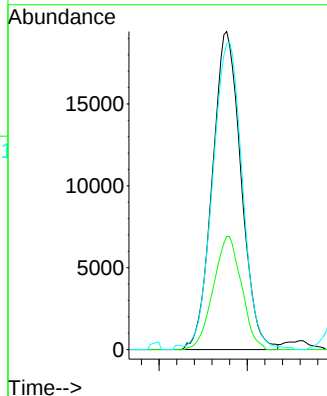
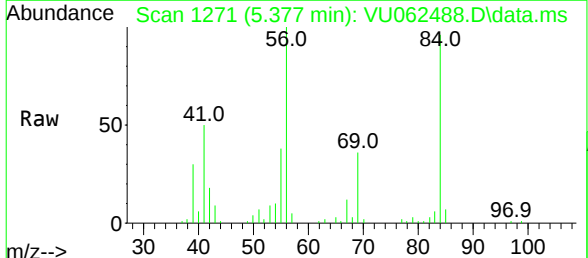
Tgt Ion: 56 Resp: 43939

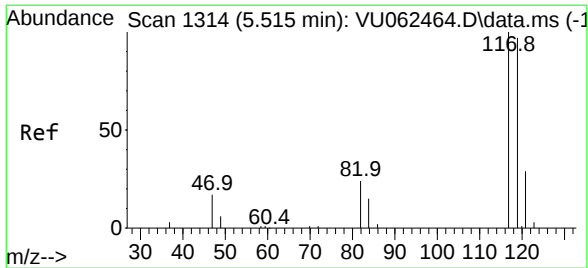
Ion Ratio Lower Upper

56 100

69 34.9 25.1 37.7

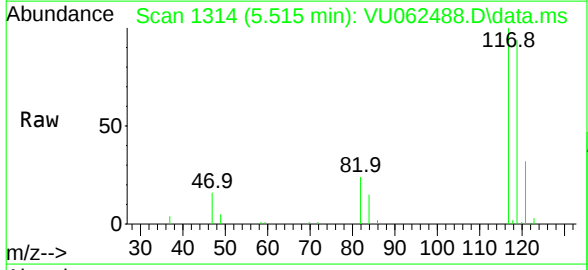
84 99.9 70.6 105.8



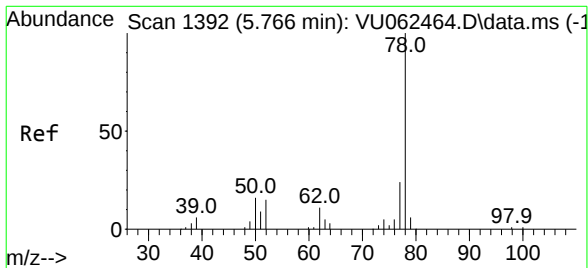
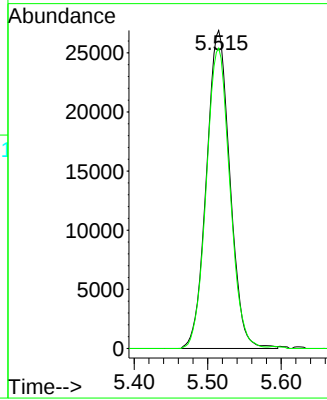
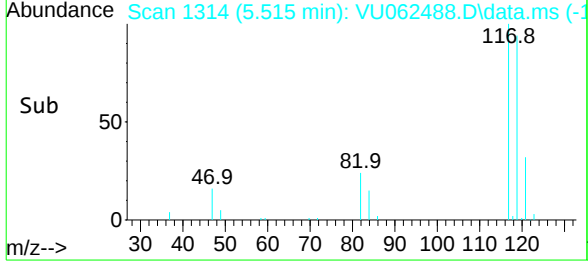


#31  
Carbon tetrachloride  
Concen: 4.725 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

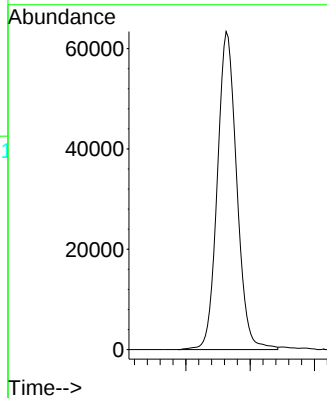
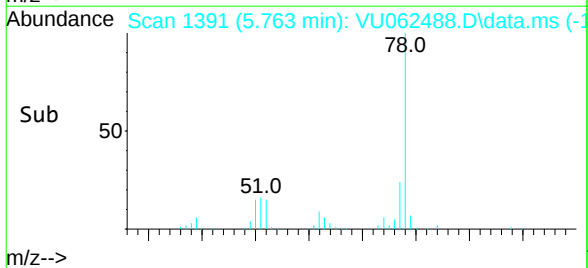
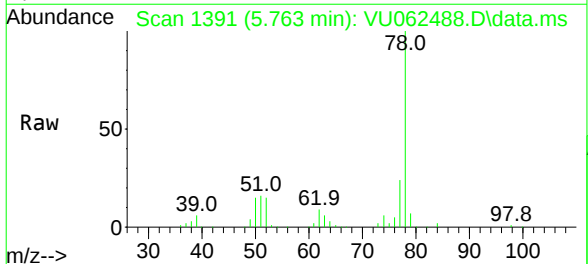


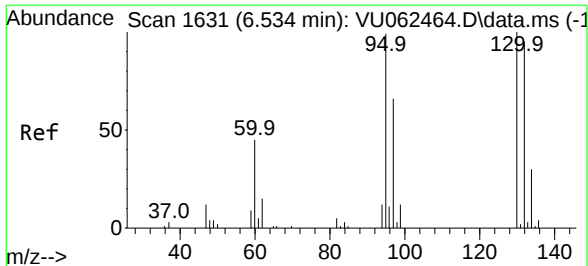
Tgt Ion:117 Resp: 59698  
Ion Ratio Lower Upper  
117 100  
119 94.9 77.5 116.3



#33  
Benzene  
Concen: 4.379 ug/L  
RT: 5.763 min Scan# 1391  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

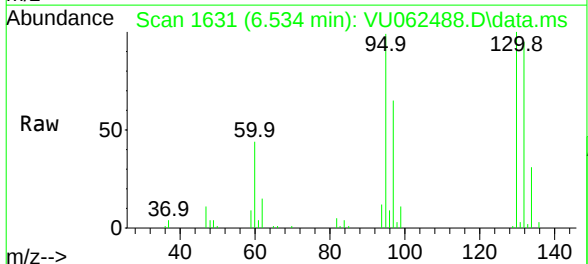
Tgt Ion: 78 Resp: 132934



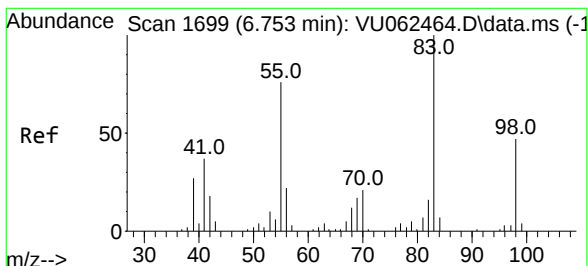
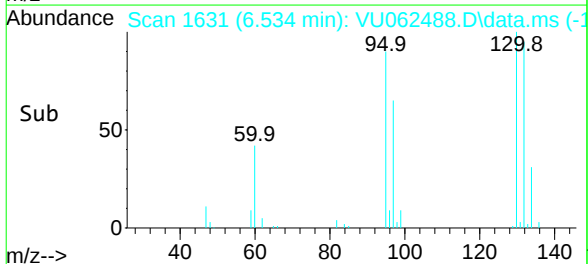
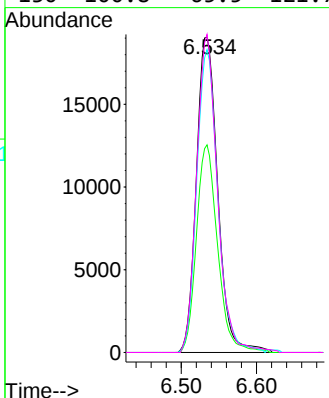


#34  
Trichloroethene  
Concen: 4.388 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

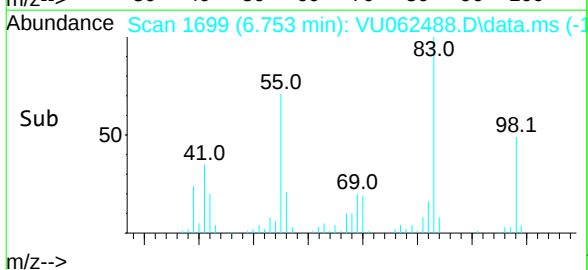
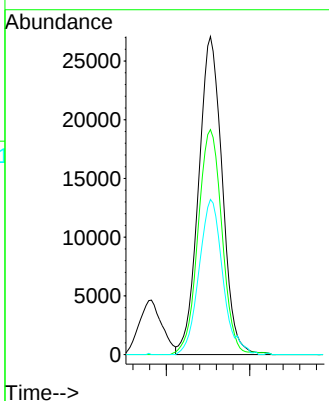
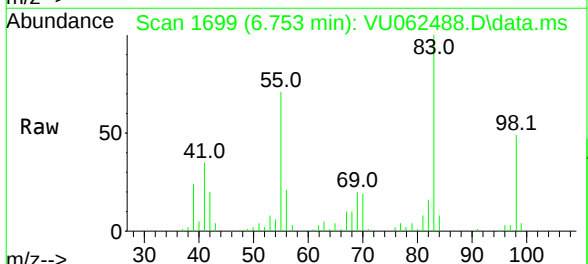


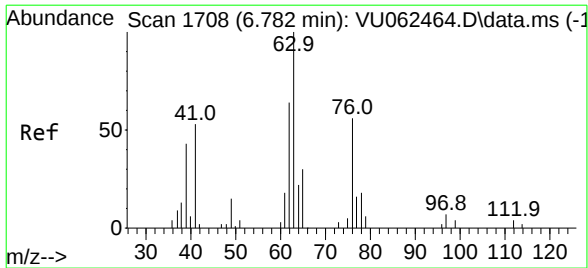
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 37730 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 65.8  | 45.9  | 85.3  |
| 132      | 96.0  | 63.8  | 118.4 |
| 130      | 100.8 | 65.5  | 121.7 |



#35  
Methylcyclohexane  
Concen: 4.194 ug/L  
RT: 6.753 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 53467 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 71.6  | 60.7  | 91.1  |
| 98       | 48.9  | 34.8  | 52.2  |

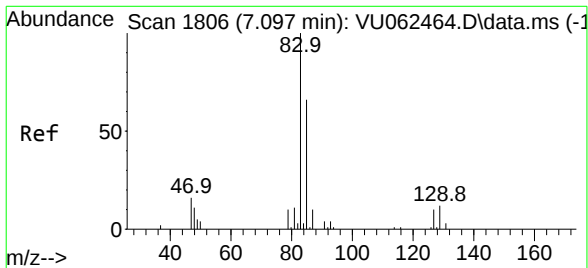
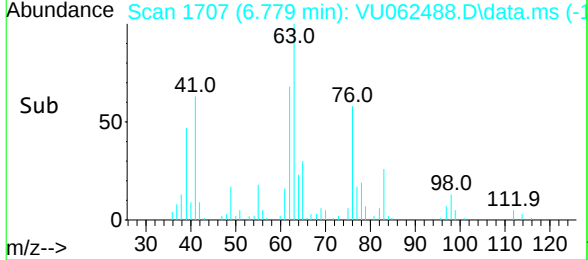
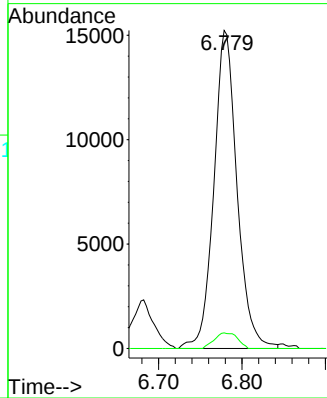
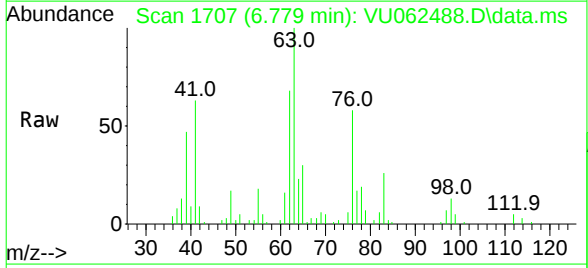




#37  
1,2-Dichloropropane  
Concen: 3.979 ug/L  
RT: 6.779 min Scan# 17  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

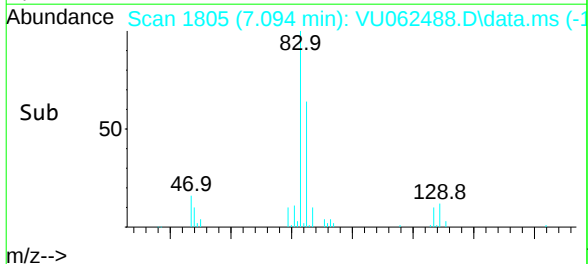
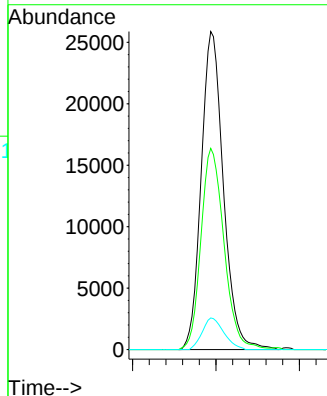
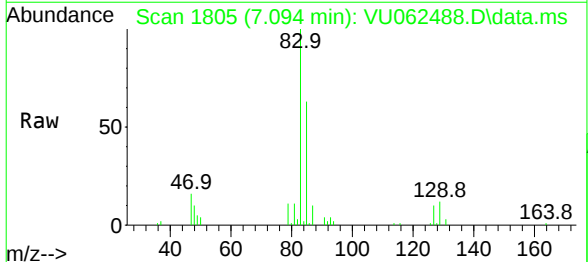
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

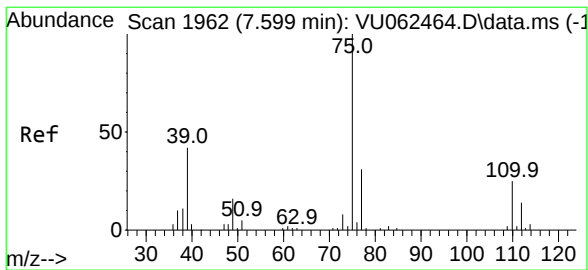
Tgt Ion: 63 Resp: 29414  
Ion Ratio Lower Upper  
63 100  
112 4.9 3.4 5.0



#38  
Bromodichloromethane  
Concen: 4.593 ug/L  
RT: 7.094 min Scan# 1805  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Tgt Ion: 83 Resp: 47898  
Ion Ratio Lower Upper  
83 100  
85 63.3 44.1 81.9  
127 9.9 6.9 10.3

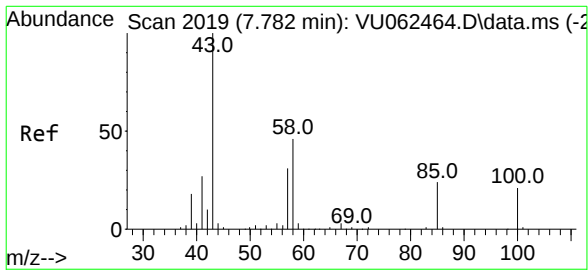
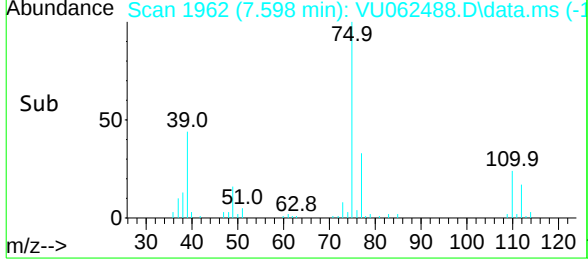
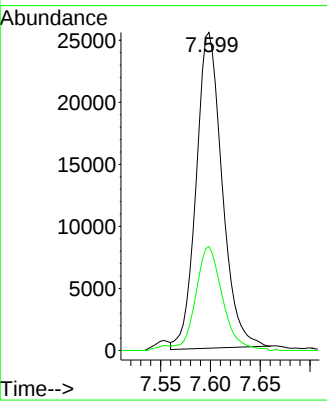
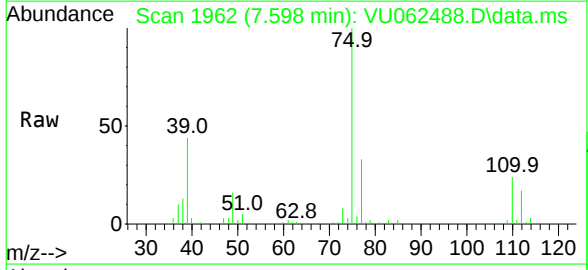




#39  
 cis-1,3-Dichloropropene  
 Concen: 3.902 ug/L  
 RT: 7.598 min Scan# 1962  
 Delta R.T. -0.000 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

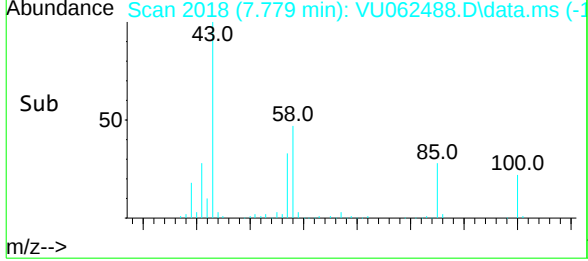
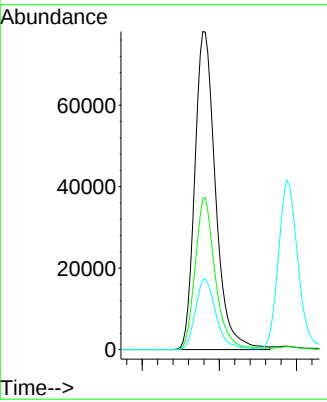
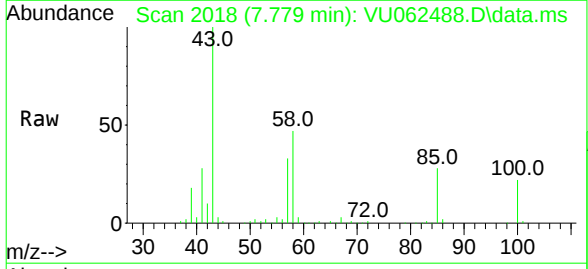
Instrument : MSVOA\_U  
 ClientSampleId : E2AX4MSD

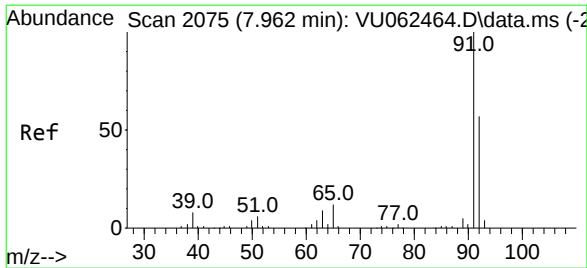
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 46229 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 32.7  | 22.3  | 41.3  |



#40  
 4-Methyl-2-pentanone  
 Concen: 42.071 ug/L  
 RT: 7.779 min Scan# 2018  
 Delta R.T. -0.003 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 145754 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 46.3  | 33.3  | 49.9   |
| 100       | 22.0  | 12.4  | 18.6   |





#42

Toluene

Concen: 5.152 ug/L

RT: 7.959 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

Instrument :

MSVOA\_U

ClientSampleId :

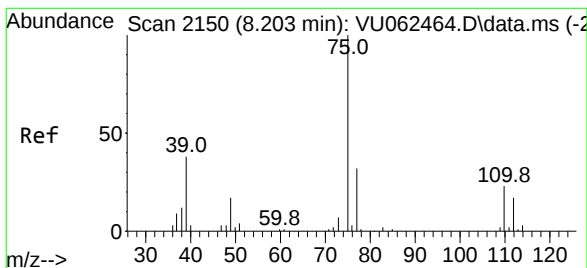
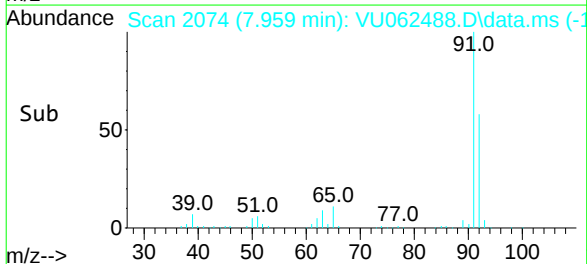
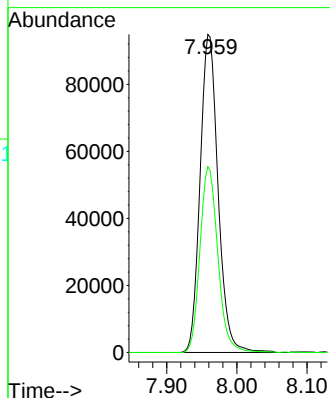
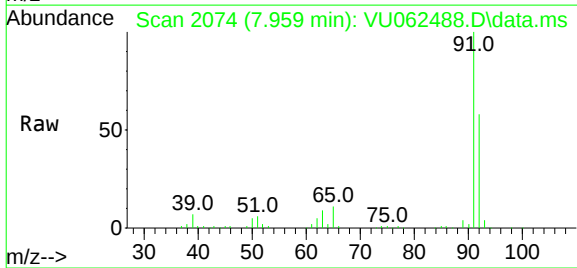
E2AX4MSD

Tgt Ion: 91 Resp: 168638

Ion Ratio Lower Upper

91 100

92 58.4 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 4.493 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU062488.D

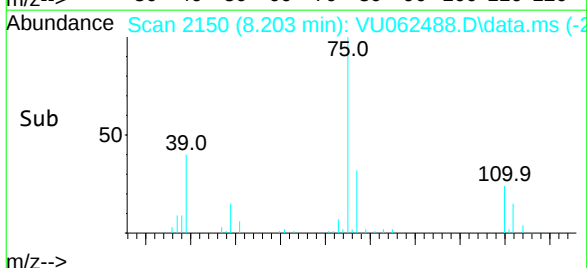
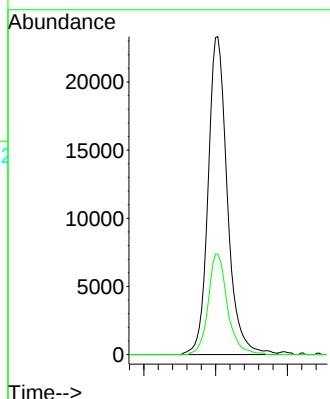
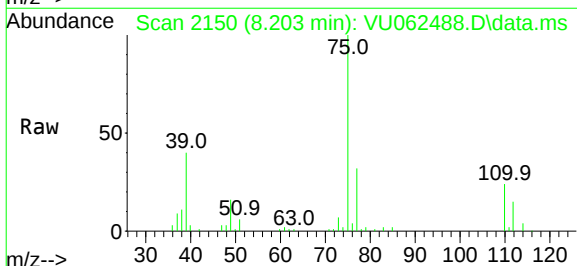
Acq: 19 Dec 2024 20:27

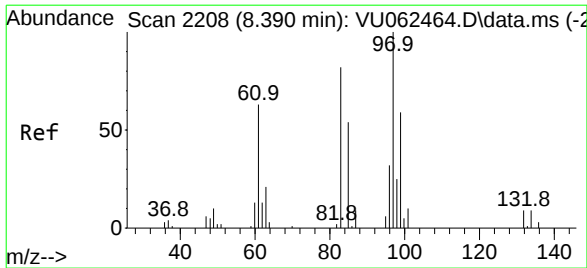
Tgt Ion: 75 Resp: 43475

Ion Ratio Lower Upper

75 100

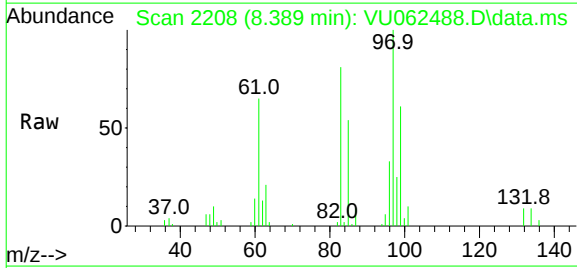
77 31.6 21.8 40.4



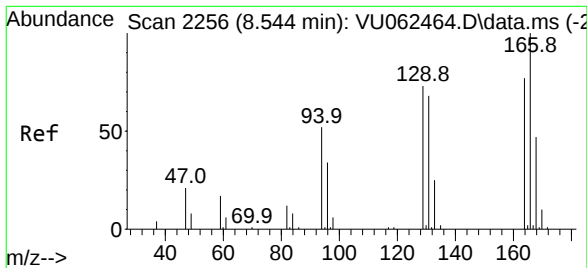
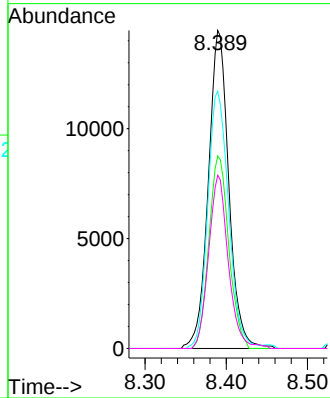


#45  
1,1,2-Trichloroethane  
Concen: 4.538 ug/L  
RT: 8.389 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

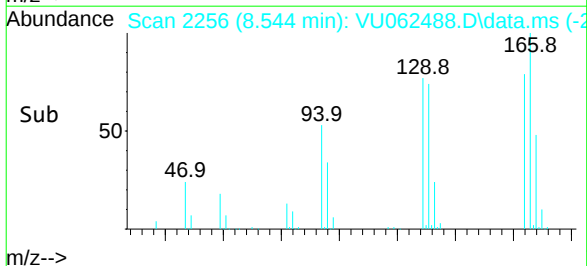
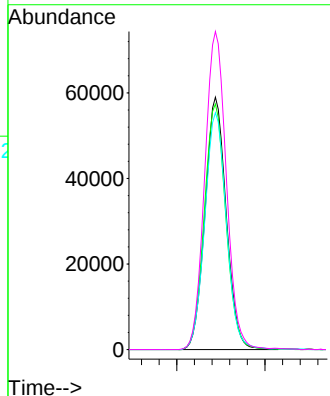
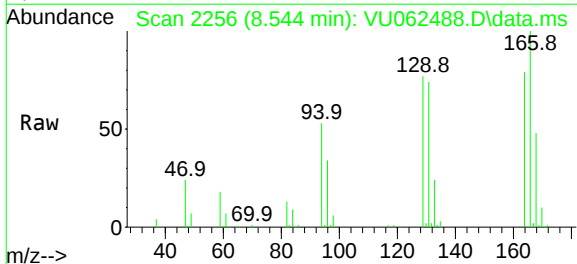


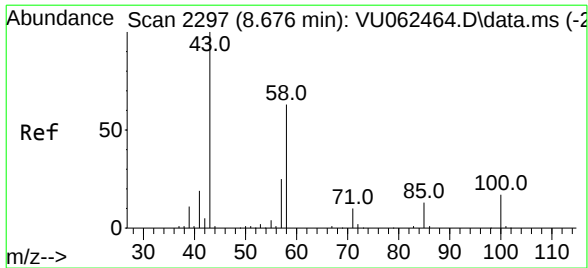
| Tgt Ion: | 97    | Resp: | 25325 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.5  | 43.0  | 79.8  |
| 83       | 80.9  | 61.7  | 114.5 |
| 85       | 54.5  | 40.1  | 74.5  |



#47  
Tetrachloroethene  
Concen: 14.839 ug/L  
RT: 8.544 min Scan# 2256  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

| Tgt Ion: | 164   | Resp: | 98516 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 97.3  | 73.2  | 136.0 |
| 131      | 93.8  | 72.3  | 134.3 |
| 166      | 126.0 | 90.2  | 167.4 |

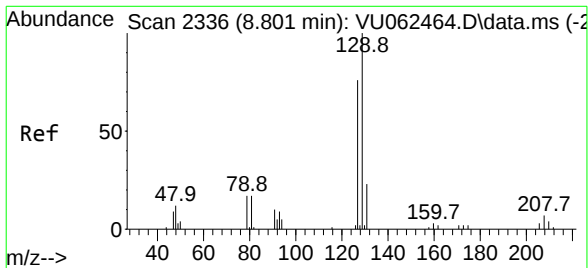
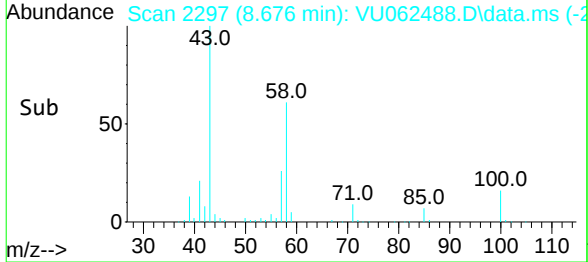
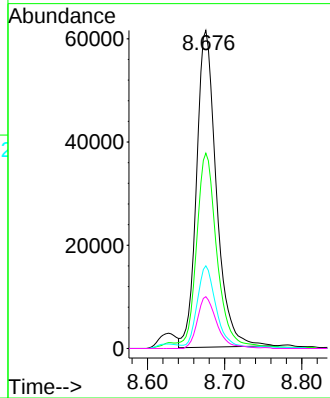
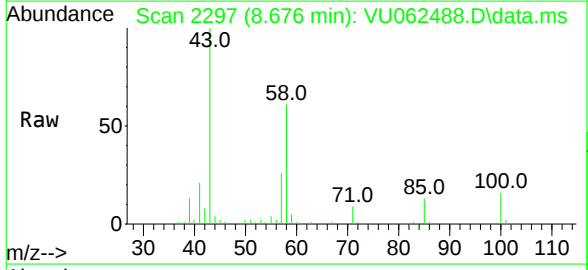




#48  
2-Hexanone  
Concen: 42.917 ug/L  
RT: 8.676 min Scan# 2297  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

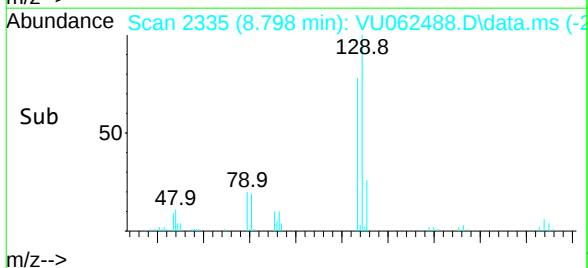
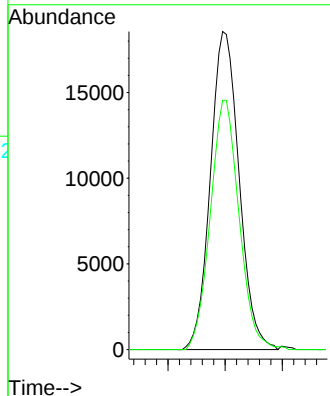
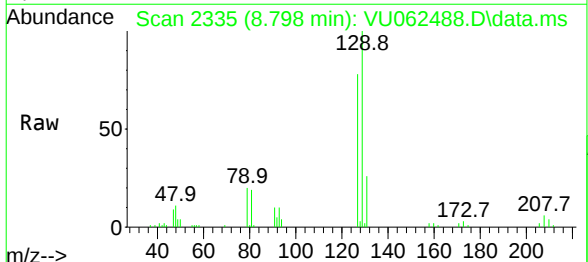
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

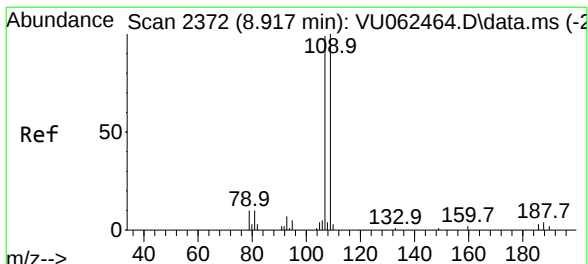
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 109882 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 63.3     | 47.5 71.3    |
| 57 24.4     | 15.6 23.4    |
| 100 16.1    | 9.2 13.8     |



#49  
Dibromochloromethane  
Concen: 4.799 ug/L  
RT: 8.798 min Scan# 2335  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

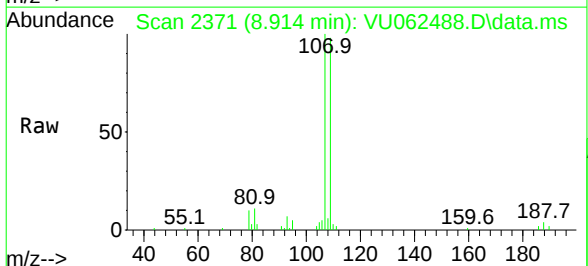
|              |             |
|--------------|-------------|
| Tgt Ion: 129 | Resp: 32356 |
| Ion Ratio    | Lower Upper |
| 129 100      |             |
| 127 78.4     | 51.1 94.9   |



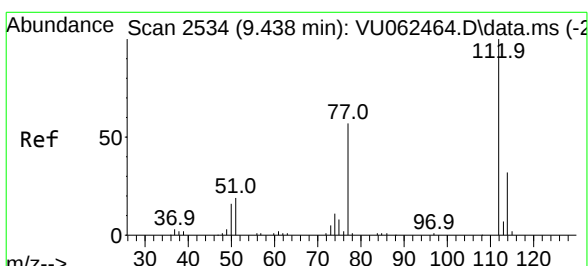
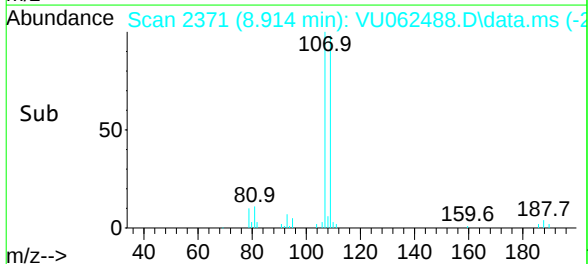
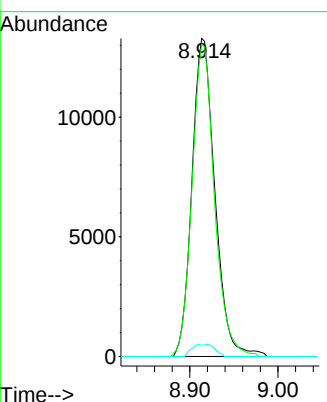


#50  
 1,2-Dibromoethane  
 Concen: 4.478 ug/L  
 RT: 8.914 min Scan# 2371  
 Delta R.T. -0.003 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MSD

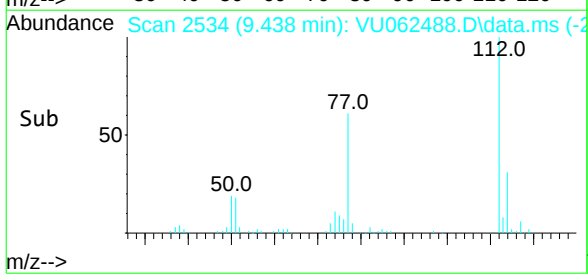
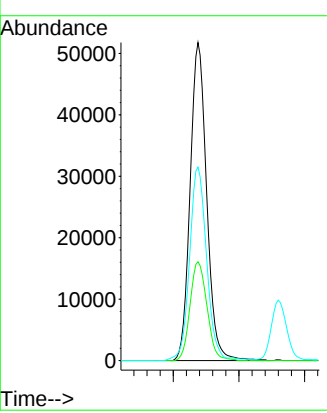
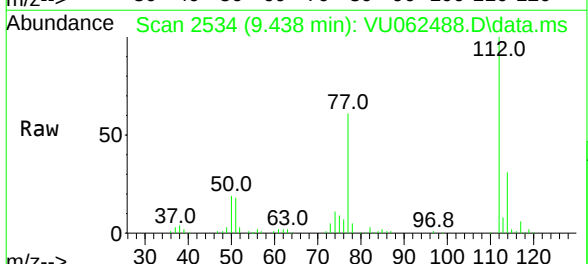


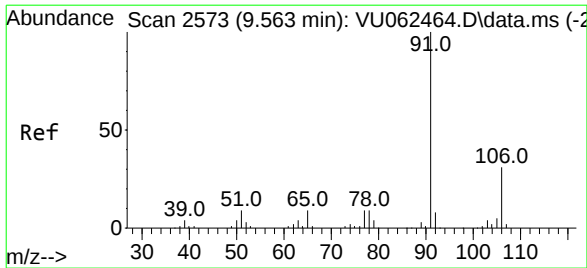
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 24013 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 98.1  | 66.8  | 124.2 |
| 188      | 3.6   | 2.3   | 3.5   |



#51  
 Chlorobenzene  
 Concen: 4.321 ug/L  
 RT: 9.438 min Scan# 2534  
 Delta R.T. -0.000 min  
 Lab File: VU062488.D  
 Acq: 19 Dec 2024 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 90625 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.1  | 23.0  | 42.6  |
| 77       | 60.8  | 50.5  | 75.7  |

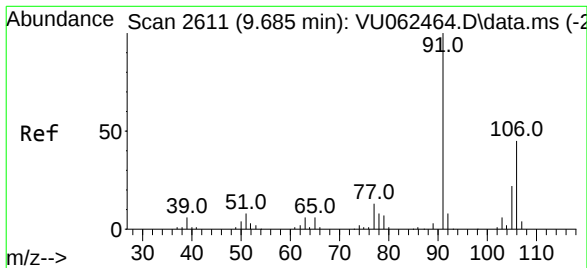
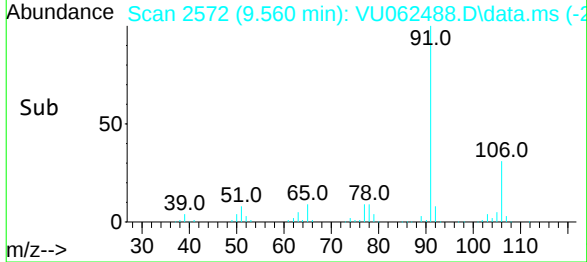
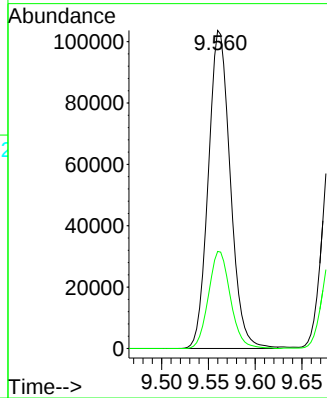
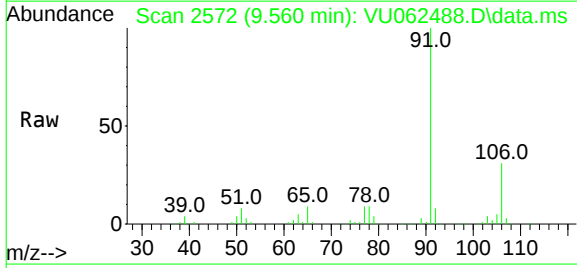




#52  
Ethylbenzene  
Concen: 4.612 ug/L  
RT: 9.560 min Scan# 2573  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

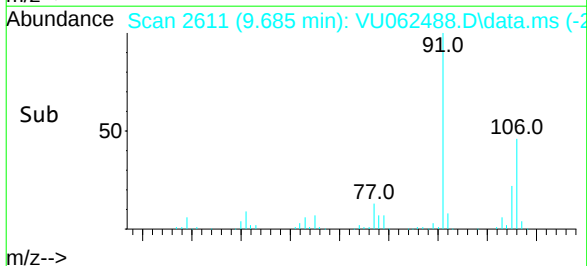
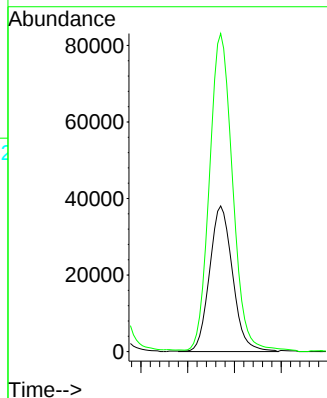
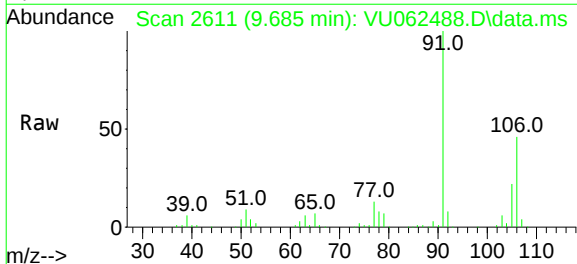
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

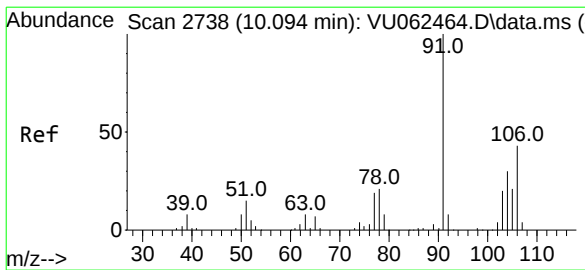
Tgt Ion: 91 Resp: 169239  
Ion Ratio Lower Upper  
91 100  
106 30.5 21.6 40.0



#53  
m,p-Xylene  
Concen: 4.805 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Tgt Ion: 106 Resp: 65106  
Ion Ratio Lower Upper  
106 100  
91 218.4 147.6 274.0





#54

o-Xylene

Concen: 4.608 ug/L

RT: 10.090 min Scan# 2738

Delta R.T. -0.003 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

Instrument :

MSVOA\_U

ClientSampleId :

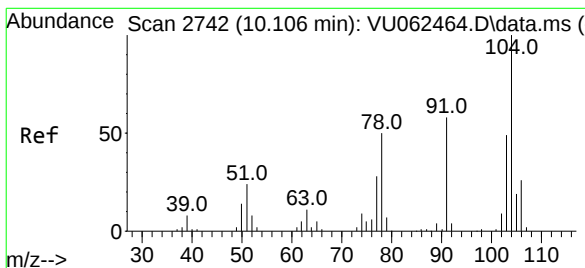
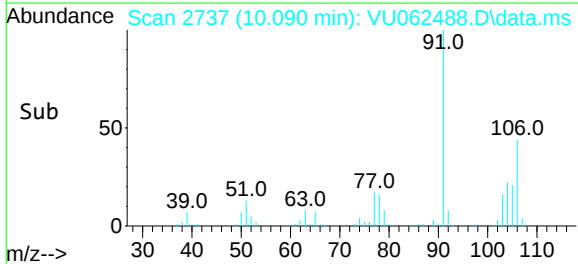
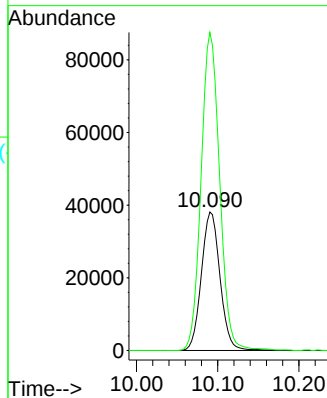
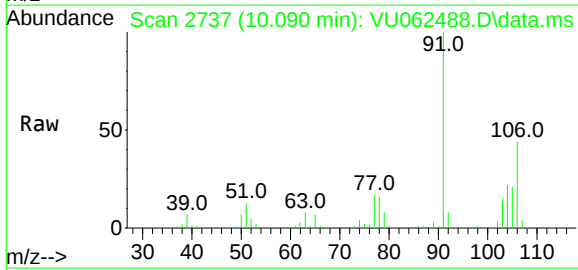
E2AX4MSD

Tgt Ion:106 Resp: 60721

Ion Ratio Lower Upper

106 100

91 229.6 159.8 296.8



#55

Styrene

Concen: 4.496 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU062488.D

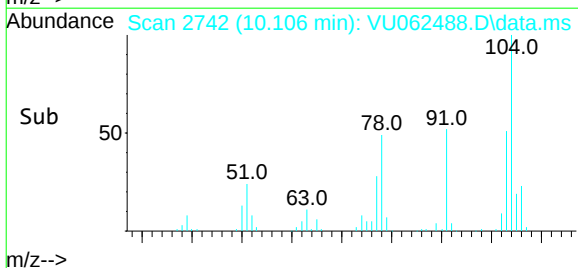
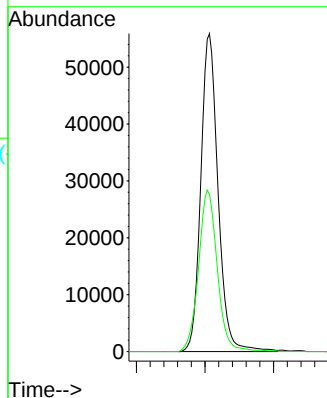
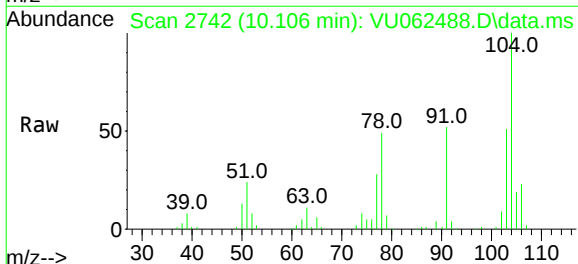
Acq: 19 Dec 2024 20:27

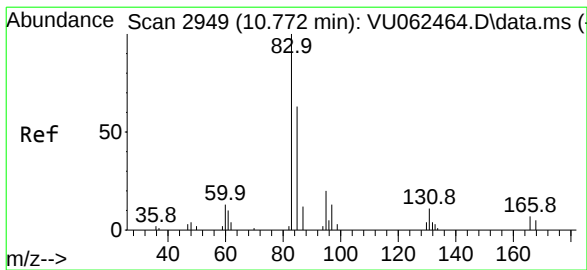
Tgt Ion:104 Resp: 97668

Ion Ratio Lower Upper

104 100

78 49.5 33.2 61.7

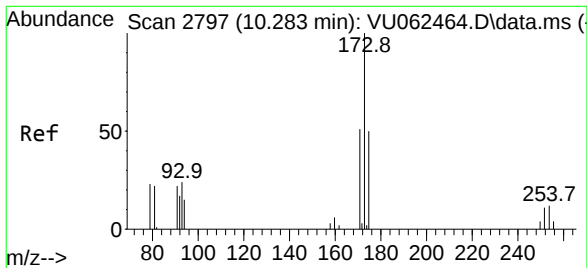
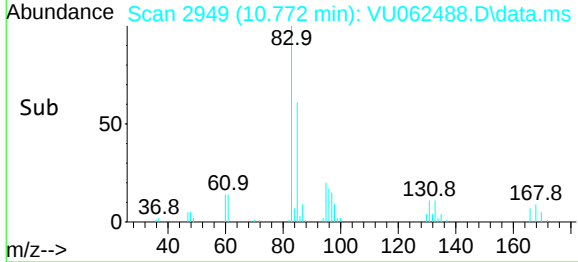
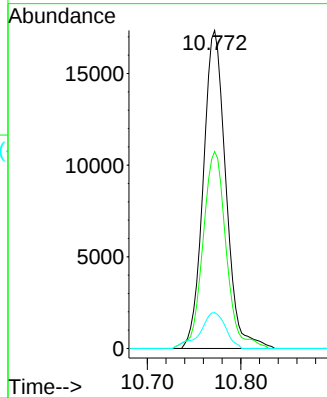
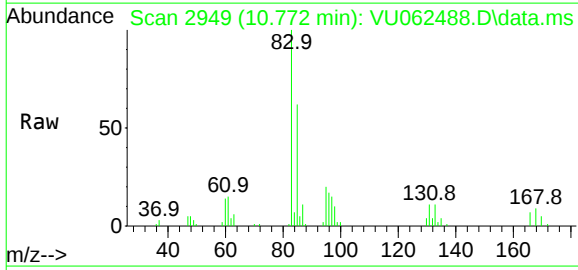




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.473 ug/L  
RT: 10.772 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

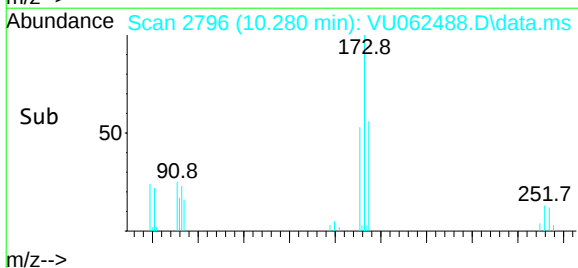
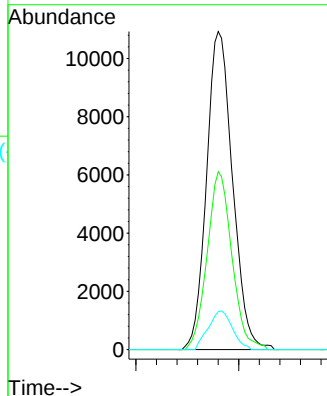
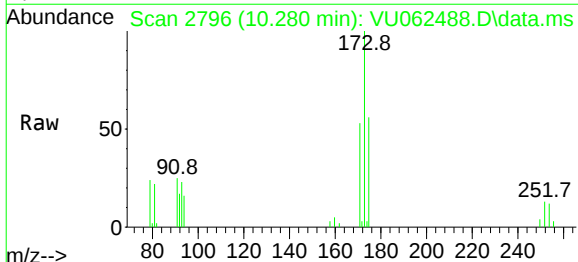
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

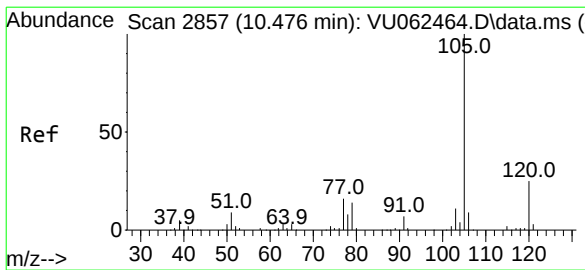
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 29053 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.9  | 44.4  | 82.4  |
| 131      | 11.3  | 7.3   | 10.9# |



#59  
Bromoform  
Concen: 4.697 ug/L  
RT: 10.280 min Scan# 2796  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 19168 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 53.3  | 39.0  | 58.4  |
| 254      | 11.3  | 7.4   | 11.0# |





#60

Isopropylbenzene

Concen: 4.377 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

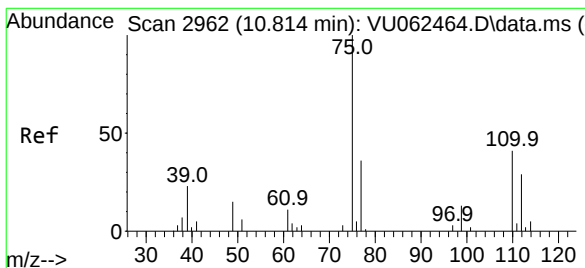
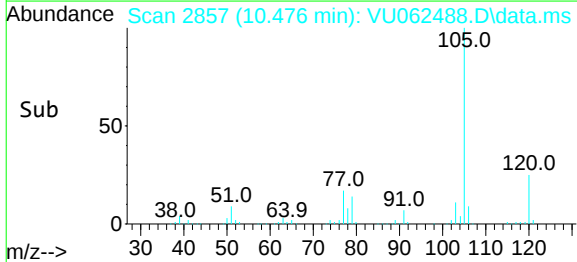
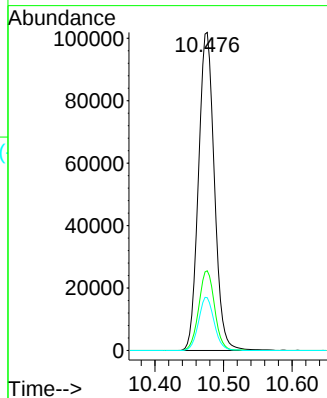
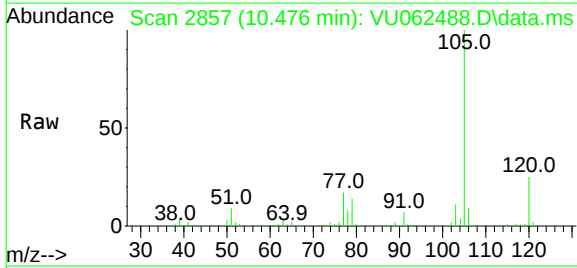
Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 164195 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 25.0  | 20.6  | 31.0   |
| 77        | 16.4  | 13.0  | 19.6   |



#61

1,2,3-Trichloropropane

Concen: 4.582 ug/L

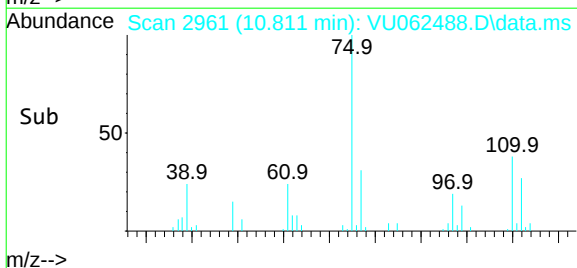
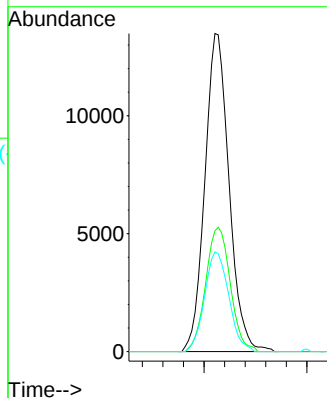
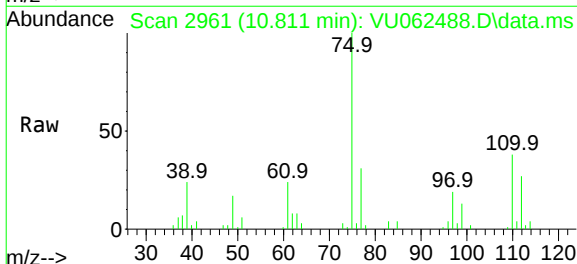
RT: 10.811 min Scan# 2961

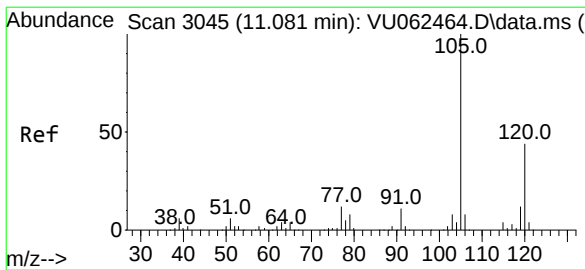
Delta R.T. -0.003 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 22005 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 39.7  | 28.9  | 43.3  |
| 77        | 31.4  | 26.5  | 39.7  |

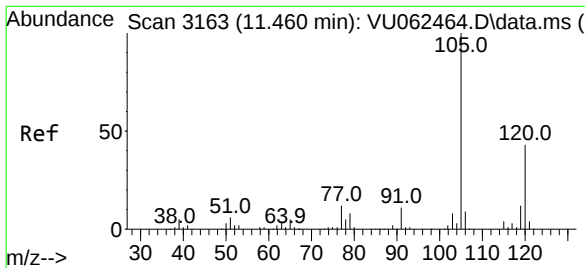
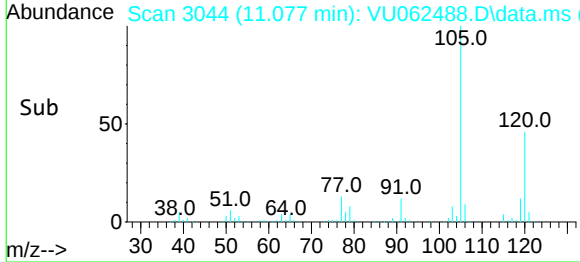
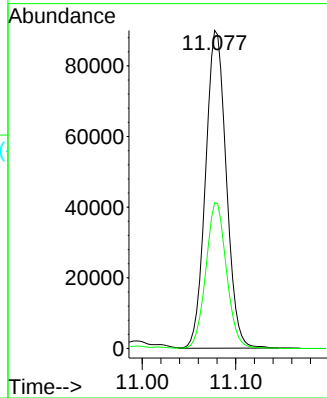
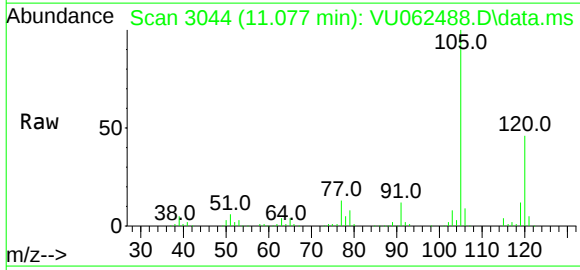




#62  
1,3,5-Trimethylbenzene  
Concen: 4.364 ug/L  
RT: 11.077 min Scan# 3044  
Delta R.T. -0.003 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

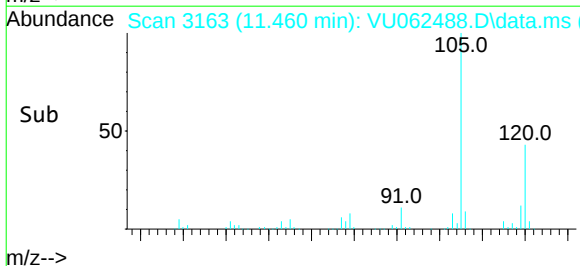
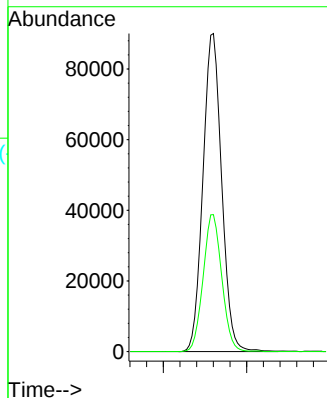
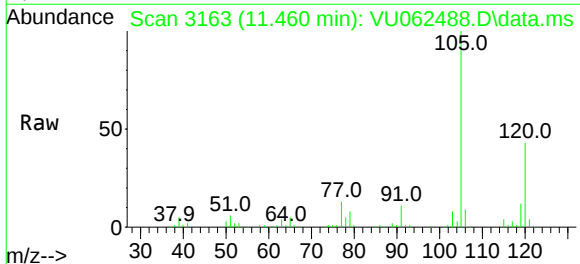
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MSD

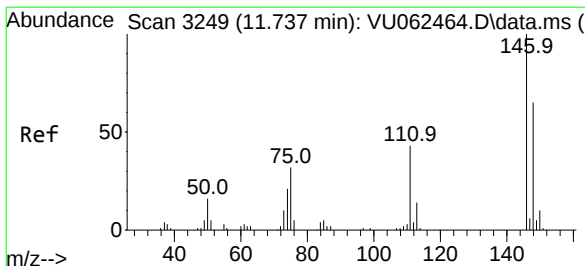
Tgt Ion:105 Resp: 138527  
Ion Ratio Lower Upper  
105 100  
120 45.7 36.7 55.1



#63  
1,2,4-Trimethylbenzene  
Concen: 4.511 ug/L  
RT: 11.460 min Scan# 3163  
Delta R.T. -0.000 min  
Lab File: VU062488.D  
Acq: 19 Dec 2024 20:27

Tgt Ion:105 Resp: 140305  
Ion Ratio Lower Upper  
105 100  
120 42.9 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.396 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. -0.000 min

Lab File: VU062488.D

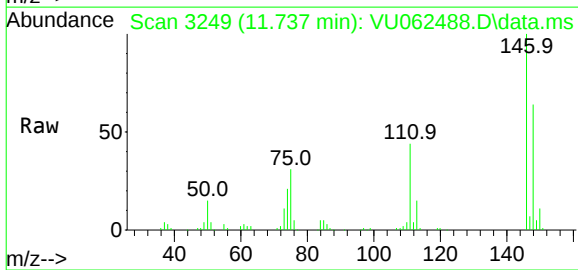
Acq: 19 Dec 2024 20:27

Instrument :

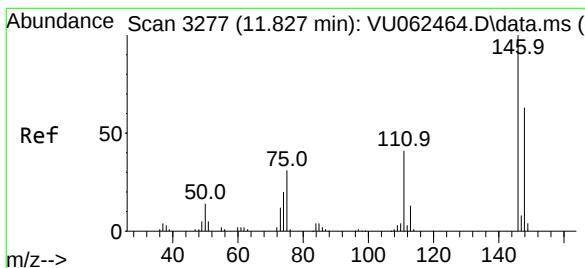
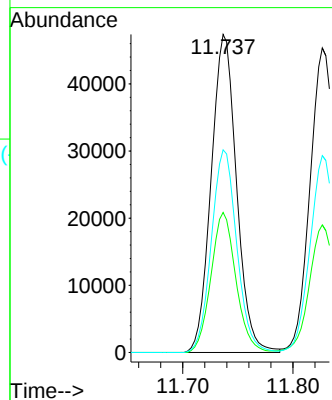
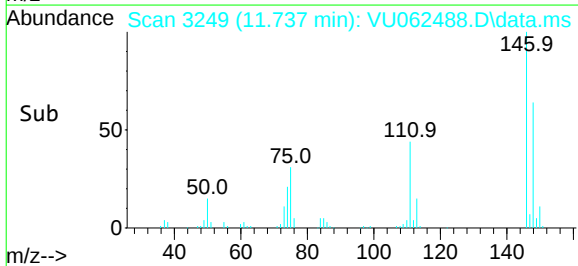
MSVOA\_U

ClientSampleId :

E2AX4MSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 75752 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 44.0  | 30.7  | 57.1  |
| 148      | 63.7  | 45.1  | 83.7  |



#65

1,4-Dichlorobenzene

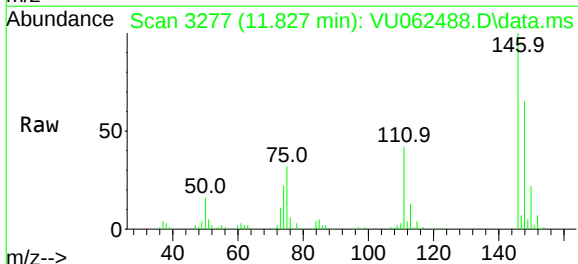
Concen: 4.331 ug/L

RT: 11.827 min Scan# 3277

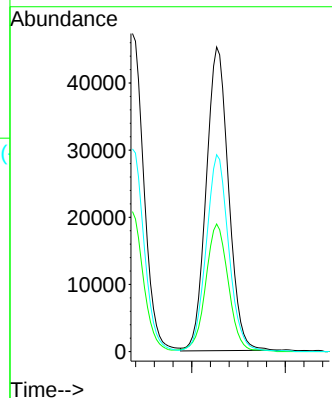
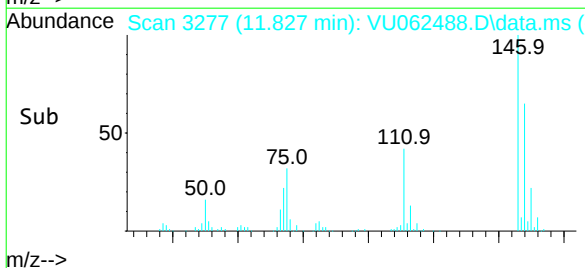
Delta R.T. -0.000 min

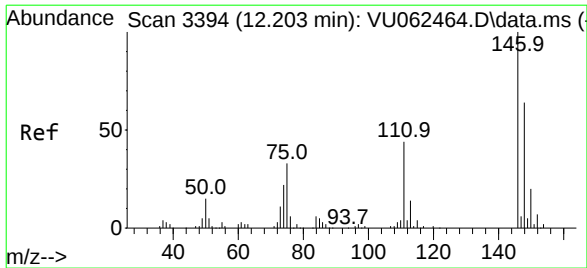
Lab File: VU062488.D

Acq: 19 Dec 2024 20:27



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 75150 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 41.9  | 29.3  | 54.3  |
| 148      | 64.6  | 44.6  | 82.8  |





#67

1,2-Dichlorobenzene

Concen: 4.465 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MSD

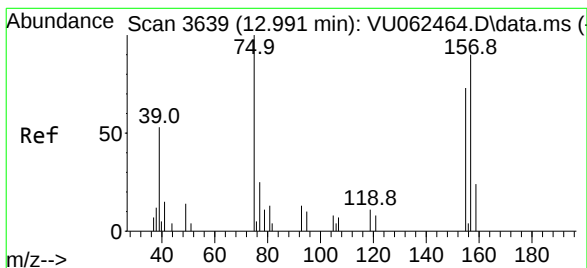
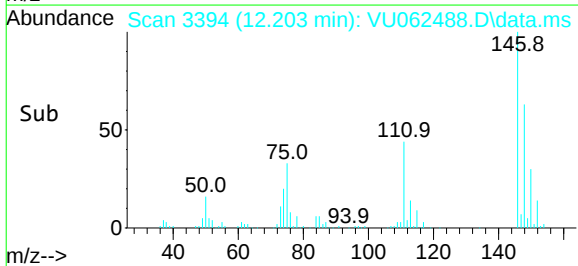
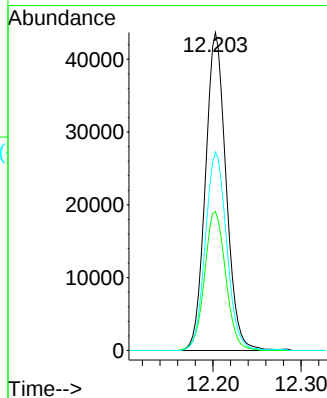
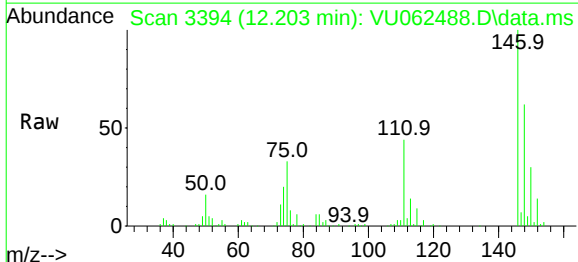
Tgt Ion:146 Resp: 71103

Ion Ratio Lower Upper

146 100

111 43.7 36.0 54.0

148 62.4 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.080 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

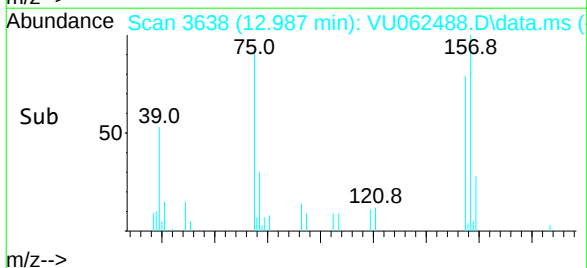
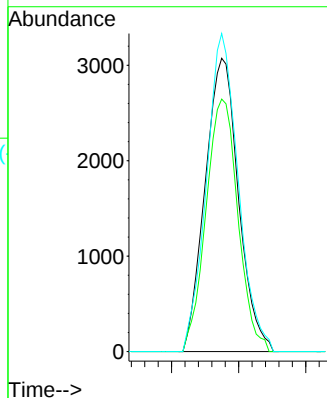
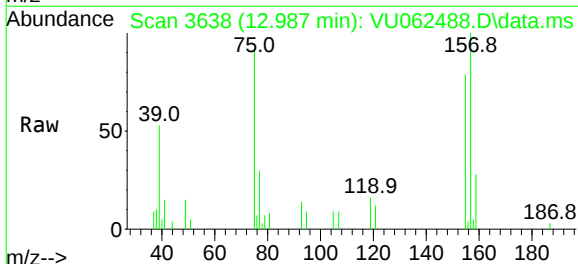
Tgt Ion: 75 Resp: 5321

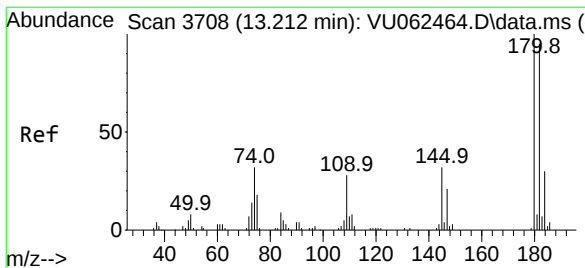
Ion Ratio Lower Upper

75 100

155 86.1 55.2 82.8#

157 108.4 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 4.438 ug/L

RT: 13.209 min Scan# 37

Delta R.T. -0.003 min

Lab File: VU062488.D

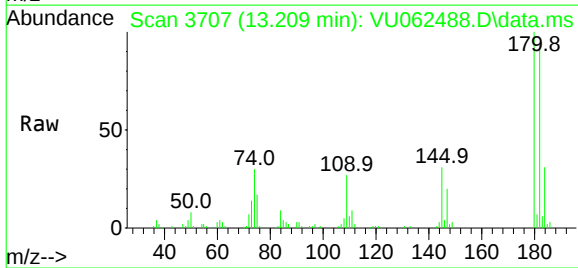
Acq: 19 Dec 2024 20:27

Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MSD



Tgt Ion:180 Resp: 56855

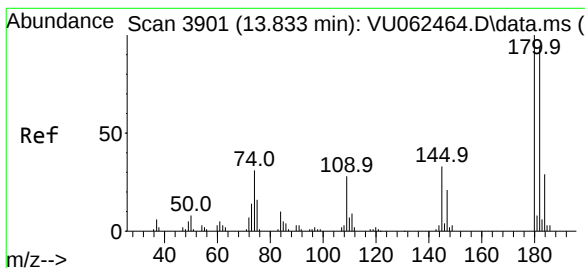
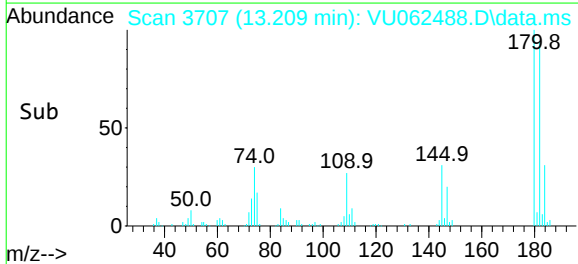
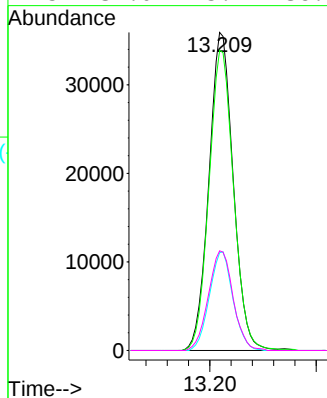
Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

184 30.0 24.8 37.2

145 32.0 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.531 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

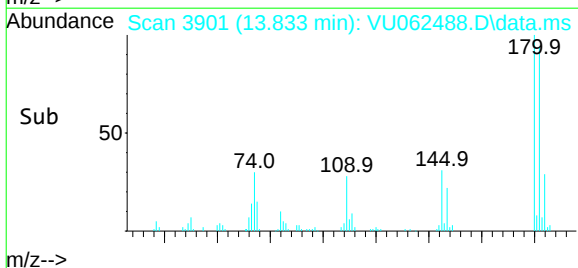
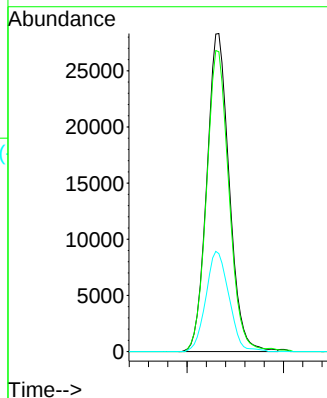
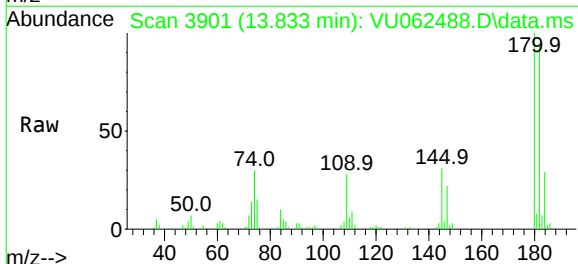
Tgt Ion:180 Resp: 45828

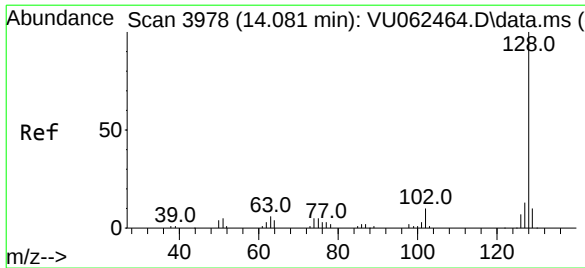
Ion Ratio Lower Upper

180 100

182 94.1 74.5 111.7

145 32.4 25.6 38.4





#71

Naphthalene

Concen: 4.627 ug/L

RT: 14.077 min Scan# 39

Delta R.T. -0.003 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

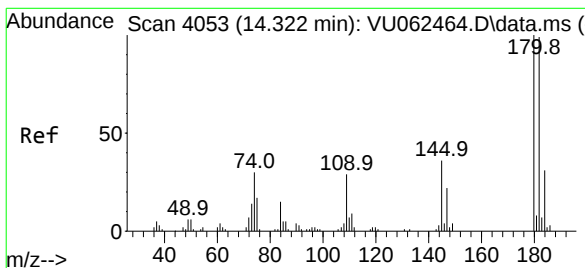
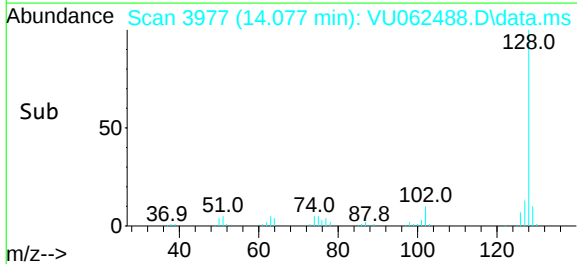
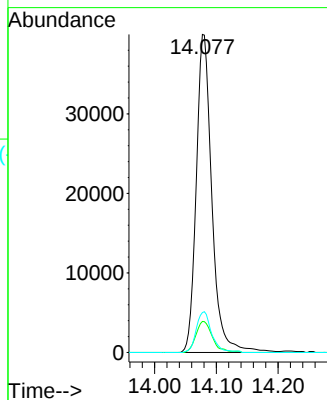
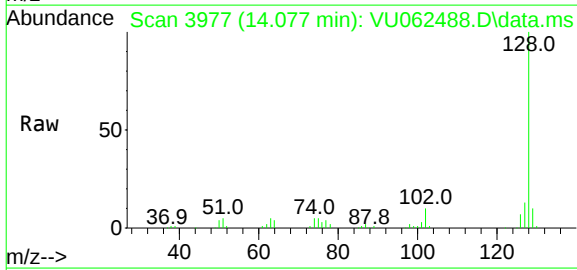
Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 70266 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 10.2  | 8.5   | 12.7  |
| 127      | 12.6  | 10.2  | 15.4  |



#72

1,2,3-Trichlorobenzene

Concen: 4.464 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.000 min

Lab File: VU062488.D

Acq: 19 Dec 2024 20:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 39814 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.4  | 76.1  | 114.1 |
| 145      | 34.5  | 27.4  | 41.0  |

